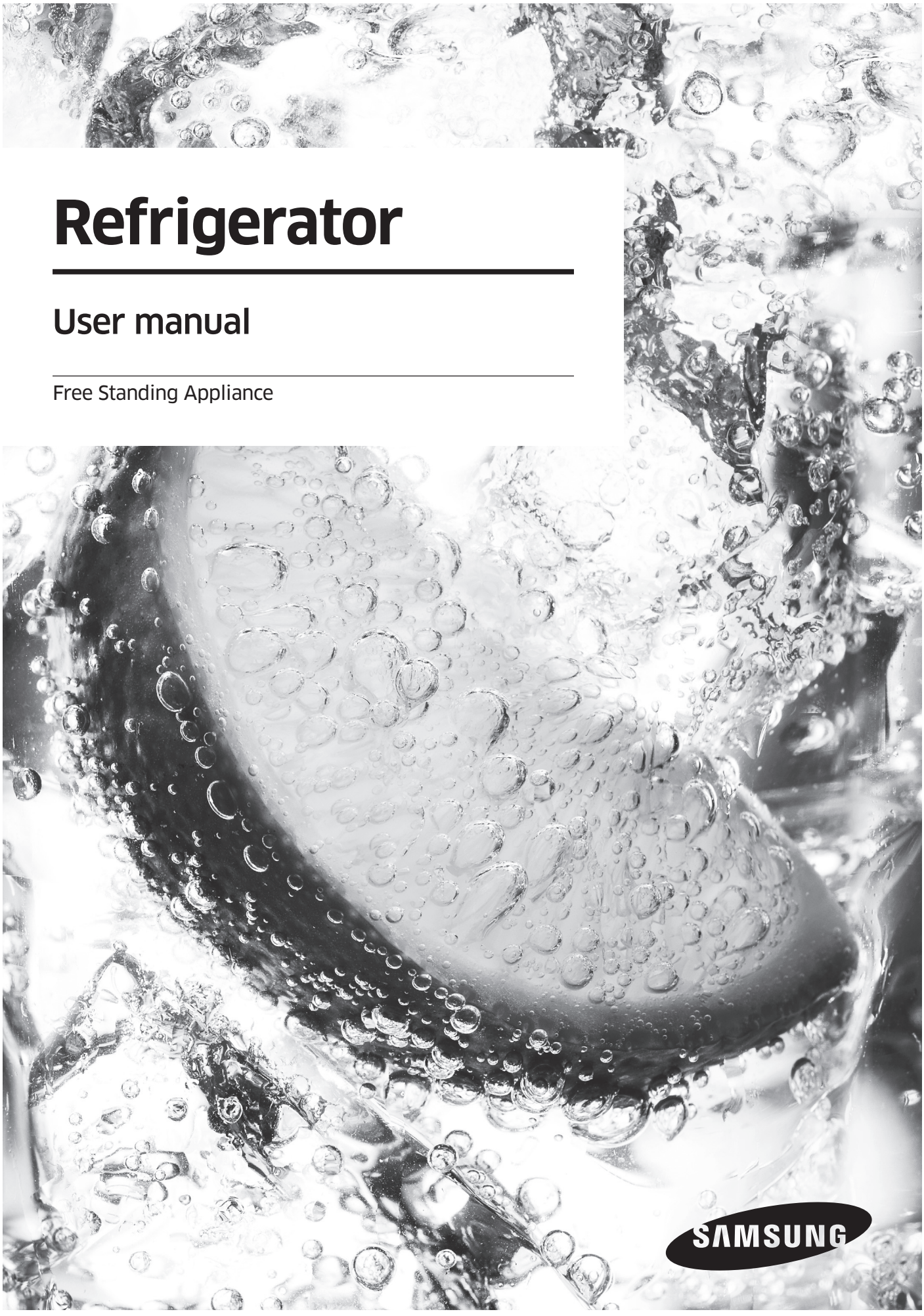
Refrigerator

User manual

Free Standing Appliance



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Safety information

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
  Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur.
  It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

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Safety information

Important safety symbols and precautions

⚠ WARNING

Hazards or unsafe practices that may result in **severe personal injury or death**.

⚠ CAUTION

Hazards or unsafe practices that may result in **minor personal injury or property damage**.

NOTE

- Do NOT attempt.
- Do NOT disassemble.
- Do NOT touch.
- Follow directions carefully.
- Unplug the power plug from the wall socket.
- Make sure the machine is grounded to prevent electric shock.
- Call the contact center for help.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive(2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)

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Critical installation warnings

⚠ WARNING

⃠ • Do not install the refrigerator in a damp location or place where it may come in contact with water.

- Deteriorated insulation on electrical parts may cause an electric shock or fire.

• Do not place this refrigerator in direct sunlight or expose it to the heat from stoves, room heaters, or other appliances.

• Do not plug several appliances into the same multiple power strip. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matches the voltage listed on the refrigerator's rating plate.

- This provides the best performance and also prevents overloading of house wiring circuits, which could cause a fire hazard from overheated wires.

• If the wall socket is loose, do not insert the power plug.

- There is a risk of electric shock of fire.

• Do not use a power cord that has cracks or abrasion damage along its length or at either end.

• Do not bend the power cord excessively or place heavy objects on it.

• Do not twist or tie the power cord.

• Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

• When moving the refrigerator, be careful not to roll over or damage the power cord.

- This may result in an electric shock or fire.

• Never unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.

- Damage to the cord may cause a short-circuit, fire, and/or electric shock.

• Do not use aerosols near the refrigerator.

- Using aerosols near the refrigerator may cause an explosion or fire.

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Safety information

- Do not install this appliance near a heater or inflammable material.
- Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain, etc.).
- Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.

- This refrigerator must be properly located and installed in accordance with the instructions in this manual before you use it.
- Connect the power plug in the proper position with the cord hanging down.
- If you connect the power plug upside down, the wire can get cut off and cause a fire or electric shock.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.
- Make sure that the power plug is not crushed or damaged by the back of the refrigerator.
- Keep the packing materials out of reach of children.
- There is a risk of death from suffocation if a child puts the packing materials on his or her head.
- The appliance must be positioned so that the plug is accessible after installation.
- Failing to do so may result in an electric shock or fire due to electric leakage.
- You need to remove all the protective plastic film before you initially plug the product in.
- Children should be supervised to ensure that they do not play with the snap rings used for door adjustment or the water tube clips
- There is risk of death by suffocation if a child swallows a snap ring or water tube clip.
  Keep the snap rings and water tube clips out of children's reach.

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• The refrigerator must be safely grounded.

- Always make sure that you have grounded the refrigerator before attempting to investigate or repair any part of the appliance. Power leakages can cause severe electric shock.

• Never use gas pipes, telephone lines, or other potential lightning attractors as an electrical ground.

- Improper use of the grounding plug can result in a risk of electric shock.

• Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in an electric shock or fire.

• If the power cord is damaged, have it replaced immediately by the manufacturer or one of its service agents.

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Safety information

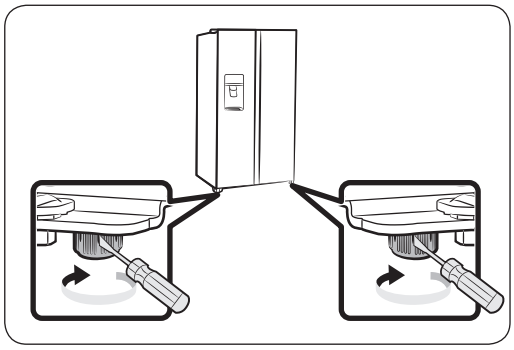
Installation cautions

⚠ CAUTION

- Allow sufficient space around the refrigerator and install it on a flat surface.

- If your refrigerator is not level, cooling efficiency and durability can be declined.
- Keep the ventilation space in the appliance enclosure or mounting structure clear of obstructions.

• Allow the refrigerator to stand for 2 hours after it has been installed and turned it on before loading it with food.



- When installing the refrigerator, make sure both legs contact the floor for secure installation.
  Legs are located at the bottom back of each door.
  Insert a flathead screwdriver and turn it in the direction of the arrow until it is level.
- Always balance the load on each door.
- Overload on any one door may fell the refrigerator, causing physical injury.

• We strongly recommend you have a qualified technician or service company install the refrigerator.

- Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.

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Critical usage warnings

⚠ WARNING

- ⃠ • Do not insert the power plug into a wall socket with wet hands.
- Do not store articles on the top of the appliance.
- When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not insert hands, feet or metal objects (such as knives, etc.) into the bottom or the back of the refrigerator.
- This may result in an electric shock or injury.
- Any sharp edges may cause a personal injury
- Do not put a container filled with water on the refrigerator.
- If spilled, there is a risk of fire or electric shock.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of “pinch point” areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.
- Do not let children hang on the door or door bins.
  A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Do not insert your hands into the bottom area under the appliance.
- Any sharp edges may cause personal injury.
- Do not let children step on a drawer.
- The drawer may break and cause them to slip.
- Do not overfill the refrigerator with food.
- When you open the door, an item may fall out and cause personal injury or material damage.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
- This may cause frostbite.
- Never put fingers or other objects into the water dispenser hole, ice chute, or ice maker bucket.
- It may cause personal injury or material damage.

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Safety information

- Do not use or place any substances sensitive to temperature such as flammable sprays, flammable objects, dry ice, medicine, or chemicals near or inside of the refrigerator.
- Do not keep volatile or flammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas, and other such products) in the refrigerator.
  - This refrigerator is for storing food only.
  - This may result in fire or explosion.
- Do not store pharmaceutical products, scientific materials, or temperature sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use an electrical appliance inside the refrigerator, unless it is of a type recommended by the manufacturer.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
  This may result in an electric shock, fire, problems with the product, or injury.
  Do not put a container filled with water on the appliance.
  - If spilled, there is a risk of fire or electric shock.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
  - As well as being harmful to humans, it may also result in an electric shock, fire, or problems with the product.
- Never stare directly at the UV LED lamp for long periods of time.
  - This may result in eye strain due to the ultraviolet rays.

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- Do not attempt to repair, disassemble, or modify the refrigerator yourself.
- Do not use any fuse (such as cooper, steel wire, etc.) other than a standard fuse.
- If your refrigerator needs to be repaired or reinstalled, contact your nearest service center.

- Failing to do so may result in an electric shock, fire, problems with the product, or injury.

- If the interior or exterior LED lamp has gone out, contact your nearest service center.

- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of “pinch point” areas. Clearances between the doors and cabinet are necessarily small.
  Be careful when you open the doors if children are in the area.
- Do not let children hang on the door.
  A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Bottles should be stored tightly together so that they do not fall out.
- This product is intended only for the storage of food in a domestic environment.
- If a gas leak is detected, avoid any naked flames or potential sources of ignition, and air the room in which the appliance is standing for several minutes.

- Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- A spark may result in explosion or fire.

- Use only the LED Lamps provided by the manufacturer or its service agents.

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Safety information

- If the refrigerator emits a burning smell or smoke, unplug the refrigerator immediately and contact your Samsung Electronics service center.
- If you experience difficulty changing a non-LED light, contact a Samsung service center.
- If the product is equipped with LED lamps, do not disassemble the Lamp Covers and LED lamps yourself.
- Contact a Samsung service center.
- If dust or water enters the refrigerator, unplug the refrigerator and contact your Samsung Electronics service center.
- There is a risk of fire.

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Usage cautions

⚠ CAUTION

⃠ • Do not re-freeze frozen foods that have thawed completely.
Do not place carbonated or fizzy drinks in the freezer compartment.
Do not put bottles or glass containers in the freezer.

- When the contents freeze, the glass may break and cause personal injury.

• Use only the ice maker provided with the refrigerator.

• Have the refrigerator's water supply connected only to a potable water supply.
To operate the ice maker properly, water pressure of 20 ~ 125 psi (138 ~ 862 kPa) is required.
If you will be away from home for a long period of time (on vacation, for example) and won't be using the water or ice dispensers, close the water valve.

- Otherwise, water leakage may occur.

• If you won't be using the refrigerator for a very long period of time, (3 weeks or more) empty the refrigerator including the ice bucket, unplug it, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.

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Safety information

• Service Warranty and Modification.

- Any changes or modifications performed by a 3rd party on this finished appliance are not covered under Samsung warranty service, nor is Samsung responsible for safety issues that result from 3rd party modifications.

• Do not block the air vents inside the refrigerator.

- If the air vents are blocked, especially with a plastic bag, the refrigerator can be over cooled. If a cooling period lasts too long, the water filter may break and cause water leakage.

• If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.

• If you have a long vacation planned or do not intend to use the refrigerator for a long period of time, (3 weeks or more) empty the refrigerator including the ice bucket, pull out the power plug, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.

• To get the best performance from the product:

- Do not place food too close to the vents at the rear of the refrigerator as this can obstruct free air circulation in the refrigerator compartment.
- Wrap food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not place glass bottles or carbonated beverages into the freezer. They can freeze and break. Broken beverage containers can cause injury.
- Please observe maximum storage times and expiration dates of frozen goods.
- There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks.
  However, if you will be away for more than three weeks, remove all the food and ice in the ice bucket, unplug the refrigerator, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.

• Fill the water tank and ice cube trays with potable water only (tap water, mineral water, or purified water).

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- Do not fill the tank with tea or a sports drink. This may damage the refrigerator.
• Do not strike or apply excessive force to any glass surface.
- Broken glass may result in a personal injury and/or property damage.

• If the refrigerator is flooded, make sure to contact your nearest service center.
- There is a risk of electric shock or fire.

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Safety information

Cleaning cautions

⚠ CAUTION

- Do not spray water directly on the inside or outside the refrigerator.
- There is a risk of fire or electric shock.
- Do not use a hair dryer to dry the inside of the refrigerator.
- Do not place a lighted candle in the refrigerator to remove bad odors.
- This may result in an electric shock or fire.

- Use a clean, dry cloth to remove any foreign matter or dust from the power plug blades. Do not use a wet or damp cloth when cleaning the plug.
- Otherwise, there is a risk of fire or electric shock.

- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
- Failing to do so may result in an electric shock or fire.

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Critical disposal warnings

⚠ WARNING

- DANGER : Risk of child entrapment.
  Before you throw away your old refrigerator or freezer:

- Take off the doors and door latch.
- Leave the shelves in place so that children cannot easily climb inside.
- Children trapped inside a refrigerator can hurt themselves or suffocate to death.

- Please dispose of the packaging material from this product in an environmentally friendly manner.
- Ensure that none of the pipes on the back of the refrigerator are damaged prior to disposal.
- R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator.
  If this refrigerator contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
- When disposing of this refrigerator, remove the door/door seals and door latch so that small children or animals cannot become trapped inside.
  Children should be supervised to ensure that they do not play with the appliance.
  If trapped inside, a child may get hurt or suffocate to death.
- Cyclopentane is used in the insulation. The gases in the insulation material require a special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product.
- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
- If a child places a bag over his or her head, the child could suffocate.

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Safety information

Additional tips for proper usage

NOTE

- In the event of a power failure, call the local office of your electric company and ask how long the failure is going to last.
- Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
- Should the power failure last more than 24 hours, remove and discard all frozen food.
- The refrigerator might not operate consistently (frozen contents can thaw or temperatures can become too warm in the frozen food compartment) if sited for an extended period of time in a location where ambient air temperatures are constantly below the temperatures for which the appliance is designed.
- In case of particular foods, keeping it under refrigeration can have a bad effect on preservation due to its properties.
- Your appliance is frost free, which means there is no need to manually defrost your appliance. This will be carried out automatically.
- Temperature rise during defrosting complies with ISO requirements. If you want to prevent an undue rise in the temperature of frozen food while the appliance defrosts, wrap the frozen food in several layers of newspaper.
- Do not re-freeze frozen foods that have thawed completely.
- The temperature of two star section (sections) or compartment (compartments) which have two star symbol (**) is slightly higher than other freezer compartment (compartments).
  The two star section (sections) or compartment (compartments) is (are) based on the instruction and/or the condition as delivered.

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Saving energy tips

- Install the appliance in a cool, dry room with adequate ventilation. Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (a radiator, for example).
- For the highest energy efficiency, do not block any internal or external grills or vents.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the refrigerator open for too long when putting food in or taking food out. The shorter the time the door is open, the less frost build-up you'll have in the freezer.
- To reduce power consumption and keep your energy bills low, we recommend that you install the refrigerator with at least 2 inches of clearance on the back and sides.
- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

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Setting up

Getting ready to install the refrigerator

Congratulations on your purchase of this Samsung French Door Refrigerator.
We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

Selecting the best location for the refrigerator

Choose :

- A location with easy access to a water supply.
- A location without direct exposure to sunlight.
- A location with level (or nearly level) flooring.
- A location with enough space for the refrigerator doors to open easily.
- A location that allows sufficient space to the right, left, back, and top for air circulation. If the refrigerator does not have enough space, it can cause the bad influence to refrigeration efficiency and power consumption.
- A location that allows you to move the refrigerator easily if it needs maintenance or service.
- Do not install the refrigerator in locations where the temperature is over 43 °C or below 10 °C.

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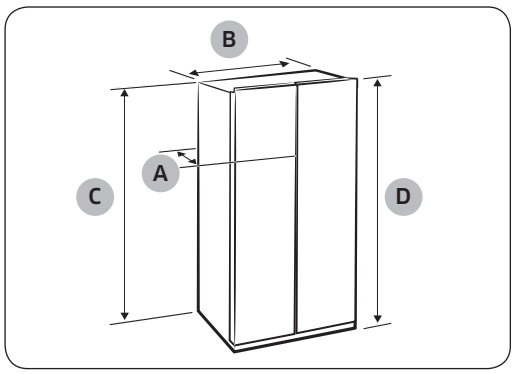
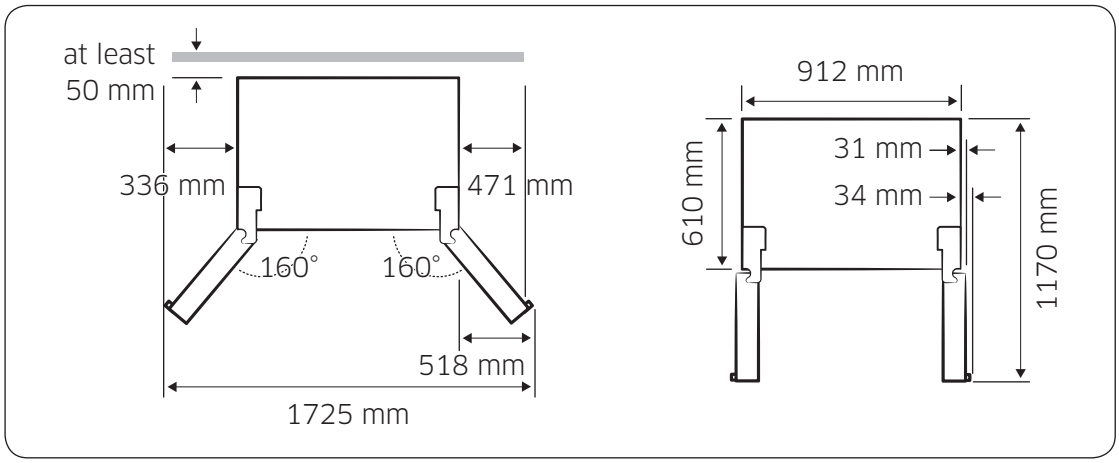
If your refrigerator is not level, the internal cooling system may not work correctly.
Refer to drawing and dimensions below for overall space required for use.



Depth “A”	721 mm
Width “B”	912 mm
Height “C”	1742 mm
Overall Height “D”	1774 mm



NOTE

- Measurements reflect the design dimensions. The actual dimensions of your refrigerator may differ slightly.

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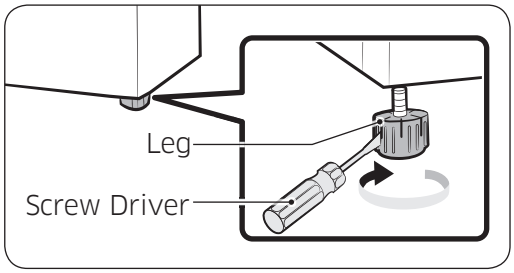
Setting up

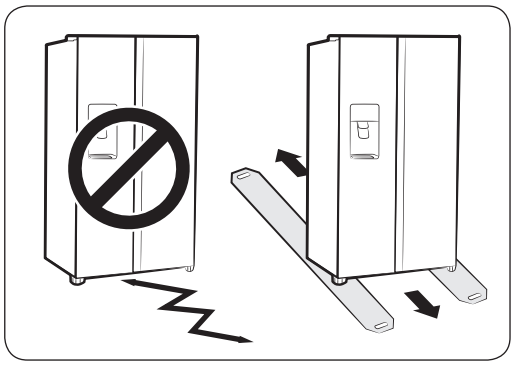
When moving your refrigerator



⚠ CAUTION

- To prevent floor damage, be sure the front leveling legs are in the up position (above the floor).
  Refer to “How to level the refrigerator” in the manual on page 34.

Flooring



For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor. This surface should be strong enough to support a fully loaded refrigerator.
To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working.
When moving the refrigerator, you need to pull and push it straight forwards or back. Do not wiggle it from side to side.

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Removing the refrigerator doors

If the refrigerator is too large to pass through your doorways easily, you can remove the refrigerator doors.
If you need to remove the doors. continue below. If you do not need to remove the refrigerator doors, go to “How to level the refrigerator” on page 34.

Tools you will need (Not provided)

Philips screwdriver (+)

Flat-blade screw driver (-)

Socket wrench 10 mm

Allen wrench 5 mm

⚠ WARNING

- Disconnect power to the refrigerator before removing the doors or drawers.

NOTE

- Be careful not to drop, damage, or scratch the doors/drawers while removing them.
- Use care when you remove the doors/ drawers. The doors are heavy and you could injure yourself.
- Re-attach the doors/drawers properly to avoid:
- Moisture from air leakage.
- Uneven door alignment.
- Wasting energy due to improper door seal.

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Setting up

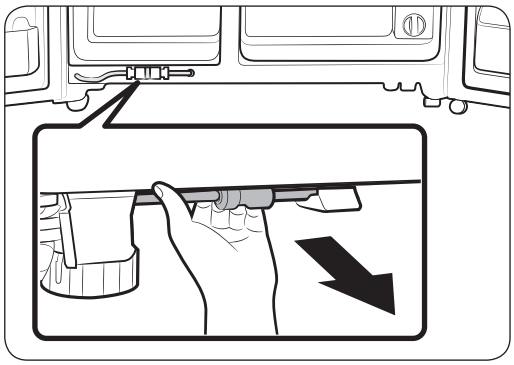
Disassembling the refrigerator doors

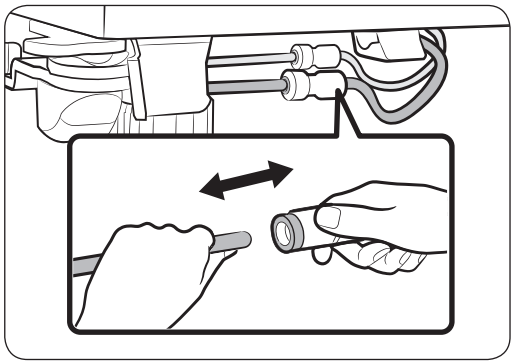
If your entrance won't allow the refrigerator to pass easily through it, you can remove the doors.

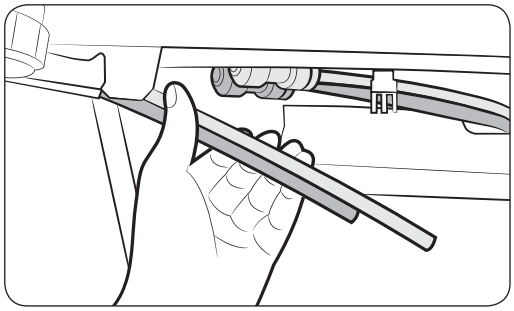
⚠ WARNING

- You must separate the water supply line before disassembling the refrigerator doors.

Separating the water supply line from the refrigerator







1. Open the door and pull the floor hose to remove the left area of the fitting.

⚠ CAUTION

- Make sure the colour of the water lines match.

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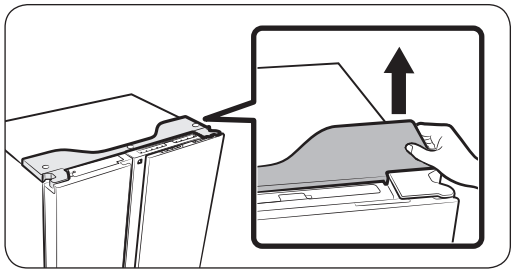
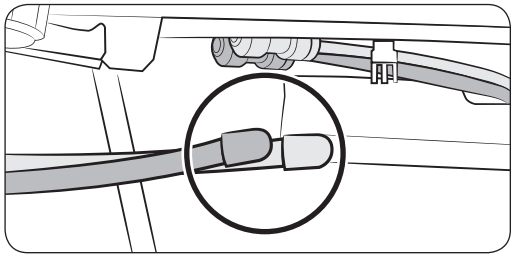


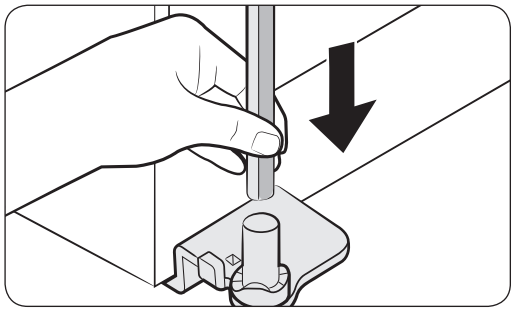
2. Close the door, and remove the top hinge including the wires.

3. Lift the door open, and remove from the bottom hinge.



⚠ CAUTION

- To prevent tampering or soiling, wrap the wires with a wire cap or tape



NOTE

- Reinstallation is the reverse order of the removal.

⚠ CAUTION

- Make sure the wires or the supply line are not caught in the door.
  Lift up and hold the door until the supply line is removed completely from the bottom hinge.
  Do not pull up the door because the water hose and supply line may be damaged.
- Make sure the hose is removed completely before proceeding.

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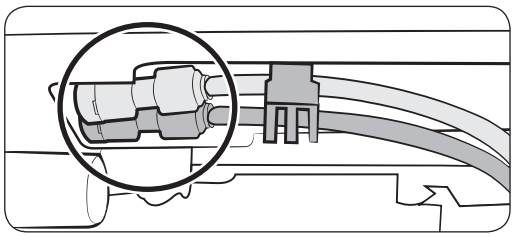
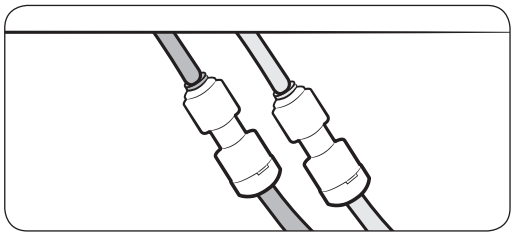
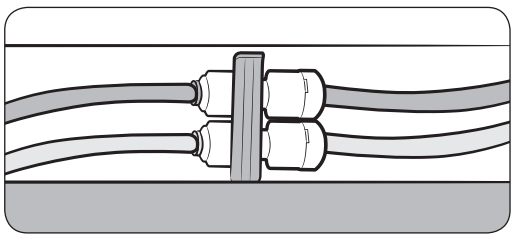
Setting up

Reattaching the water supply line







1. When moving the product, make sure the hoses are secured with the fitting to the bottom hook.
   Tape the fitting to prevent scratches or soiling.

2. Reinstall the door in the reverse order of its removal. Connect the supply line to the tap with proper fittings, and check the dispenser and check for leaks for more than 1 minute. You can check the water supply state through the transparent fittings with bare eyes. If this is not available, you can use a cleaning tissue to check the state.

3. Check for leaks, and if no leak is found, open the door and hook the fittings to the bottom clip. Then, close the door.

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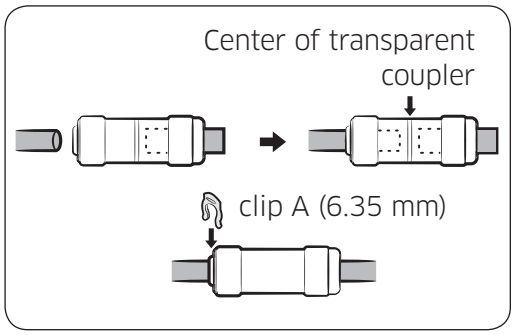


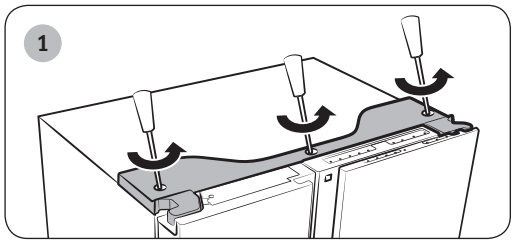
NOTE

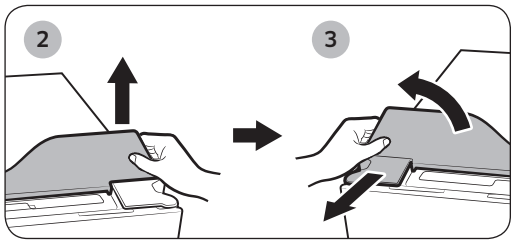
- Do not cut the water line.
  Gently separate it from the coupler.

CAUTION

- Keep the clips out of the reach of children and make sure that children do not play with them or put them into their mouths.

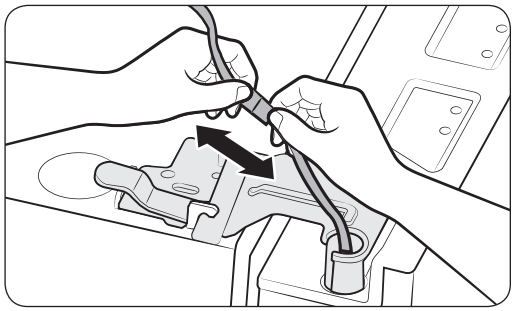
Disassemble the freezer doors





1. Disconnect the power cord, and Remove 3 cover screws using a Phillips screwdriver (1).
Then open the refrigerator door and pull the hooks on the sides to loosen the cover (2).
Lift up the cover and towards you to detach it (3).

- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.



2. Remove the hinge cover and then disconnect the electrical wire connector.

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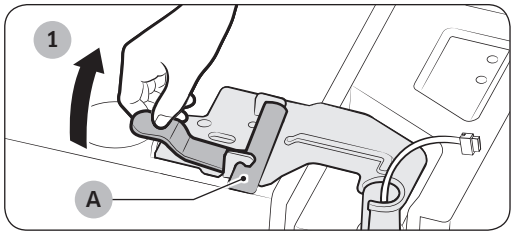
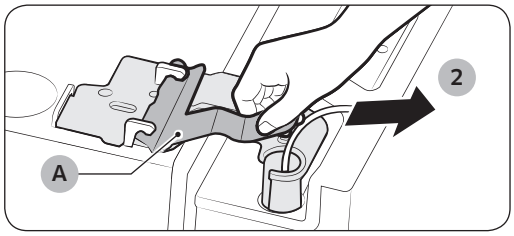
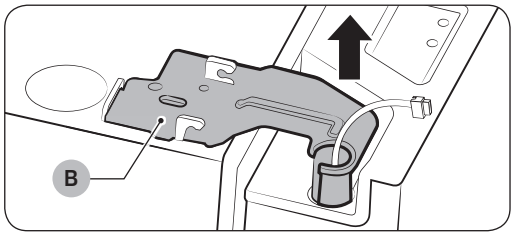
Setting up





3. Flip the clamp (A) up in direction (1) and then pull it off in direction (2).



4. Remove the hinge (B).

5. Lift up the door and detach it from the refrigerator.

⚠ CAUTION

- Be careful not to damage the electrical wires when assembling or disassembling the doors.
- Make sure the doors do not fall over and become damaged while they are detached from the refrigerator.
- Make sure the wires or the supply line are not caught in the door.
  Lift up and hold the door until the supply line is removed completely from the bottom hinge.
- Do not pull up the door because the water hose and supply line may be damaged.

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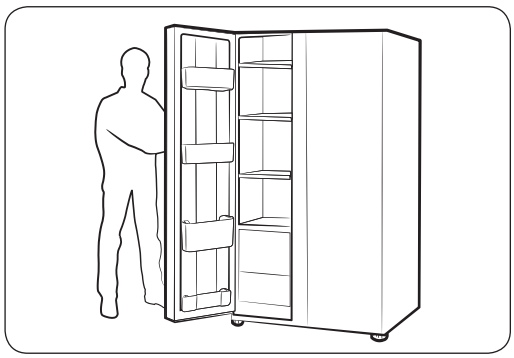
Re-attaching the freezer doors

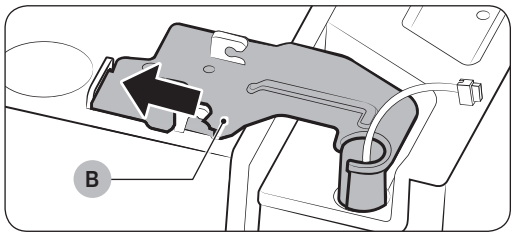
⚠ CAUTION

- Be sure to re-attach the Freezer Door before re-attaching the Fridge Door.
- Before re-attaching, make sure that all the wire connectors at the bottom of the Freezer Door are connected.

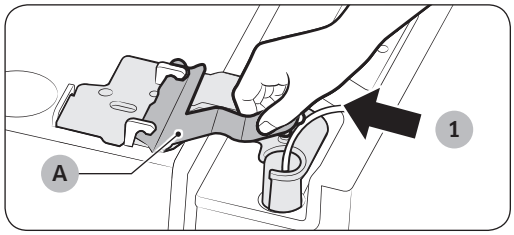
How to Assemble Door



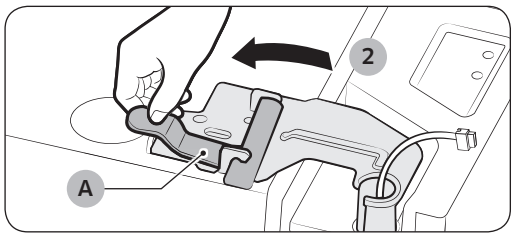
1. Attach the doors to the hinges at the bottom of the refrigerator.



2. Insert the hinge (B) into the hinge slot on the refrigerator and then press down over the hinge hole on the door.



3. Insert the clamp (A) in the direction of arrow (1) and then lower it in the direction of arrow (2) to lock it in place.



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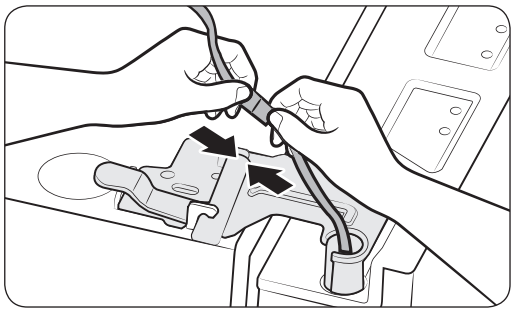
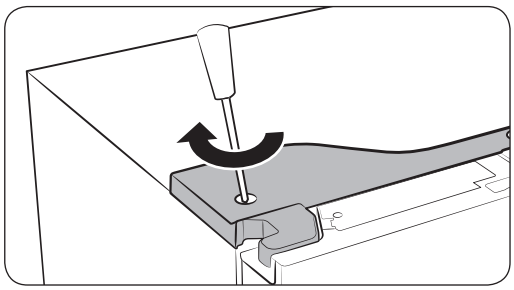
Setting up



4. Hook up the electrical wire connector.



5. Insert 2 front parts of the cover first, push down on both side parts of the cover, and then secure the cover in place using a Phillips screwdriver.

⚠ CAUTION

- The doors can be assembled in the reverse order of their disassembly.
- The display may not function properly if you neglect to connect the electrical wires while assembling the door.
- If wiring is performed incorrectly or incompletely, an information code appears on the display.
- Make sure the wires or the supply line are not caught in the door.
  Lift up and hold the door until the supply line is removed completely from the bottom hinge.
- Do not pull up the door because the water hose and supply line may be damaged.

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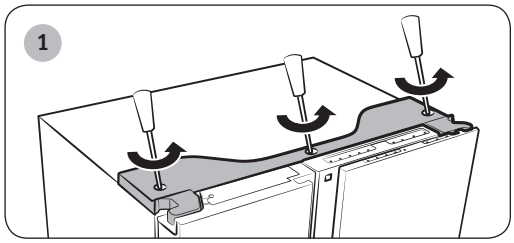
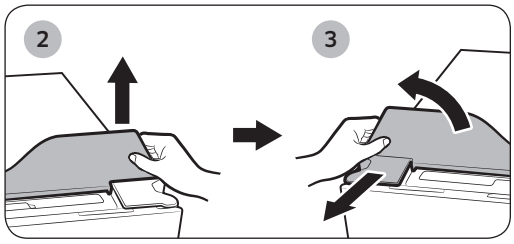
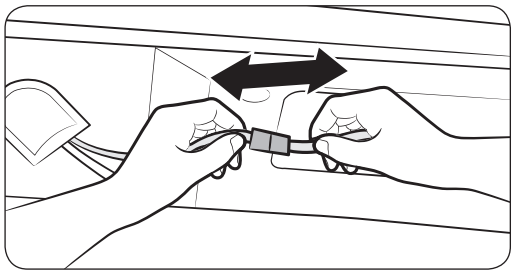
Disassemble the refrigerator doors (show case of cold compartment)



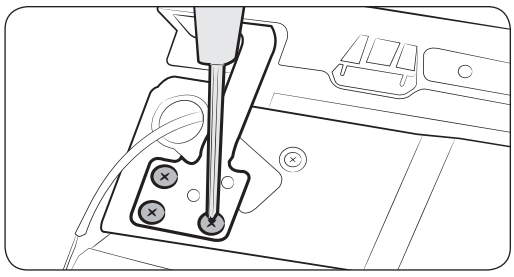
1. Disconnect the power cord, and Remove 3 cover screws using a Phillips screwdriver (1).
Then open the refrigerator door and pull the hooks on the sides to loosen the cover (2).
Lift up the cover and towards you to detach it (3).

- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.





2. Disassemble the housing connector.



3. Disassemble the three fastening screws on the top hinge of the show case.

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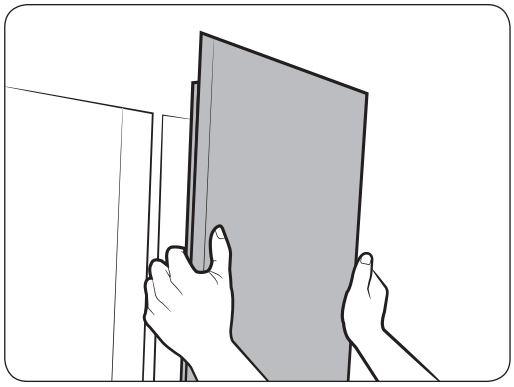
Setting up

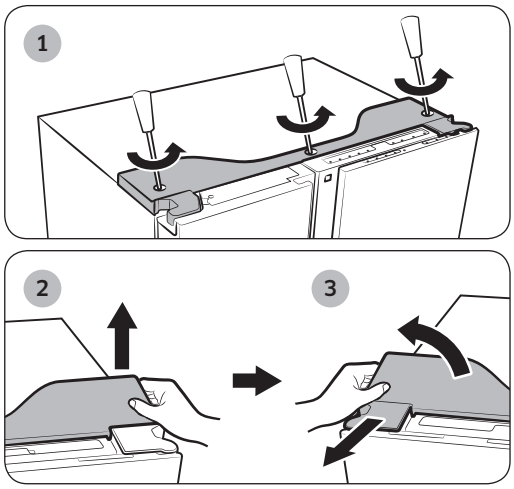


4. Disassemble the show case.

⚠ **CAUTION**

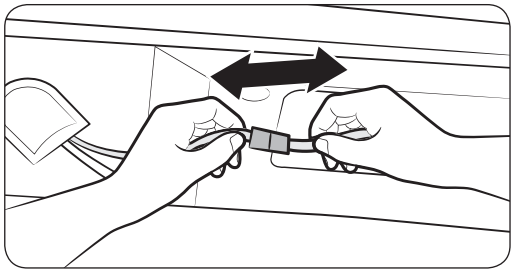
- Use caution not to strip the wires while removing or reinstalling the door.
- Use caution not to drop the door.

Disassemble the refrigerator doors



1. Disconnect the power cord, and Remove 3 cover screws using a Phillips screwdriver (1).
Then open the refrigerator door and pull the hooks on the sides to loosen the cover (2).
Lift up the cover and towards you to detach it (3).

- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.



2. Disassemble the housing connector.

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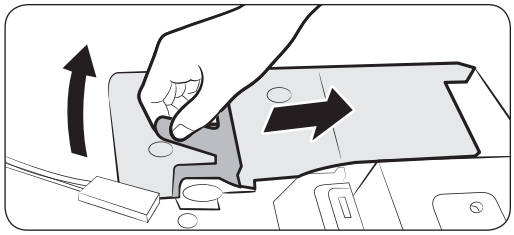
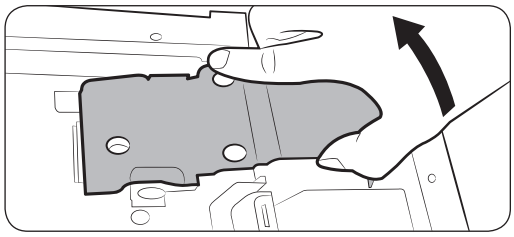
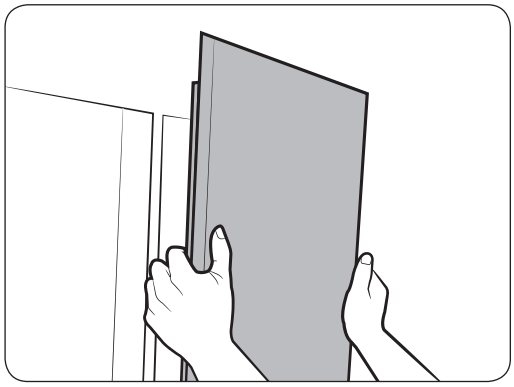


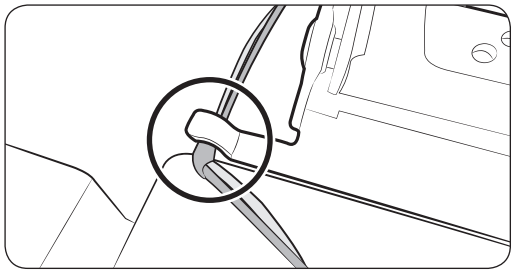
3. Push the fixer hinge up, and pull it forward to remove it.



4. Disassemble the top hinge from the front of the door.



5. Disassemble the refrigerator door.



⚠ CAUTION

- Fix the wire on the Hinge Hook to prevent the damage on the wire when reassembling.

Re-attaching refrigerator doors

To reattach the refrigerator doors, assemble parts in reverse order.

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Setting up

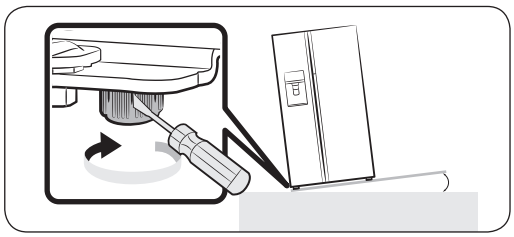
Leveling the refrigerator and adjusting height and gap of the doors

How to level the refrigerator

To avoid a hazard due to instability of the refrigerator, please place the refrigerator on a horizontal support and levelled in accordance with the following instruction for installation.
Failing to do so may result in the refrigerator tipping and a personal injury.
If the front of the appliance is slightly higher than the rear, the door can be opened and closed more easily.
Setting up the refrigerator on an uneven surface will cause the refrigerator to be uneven.

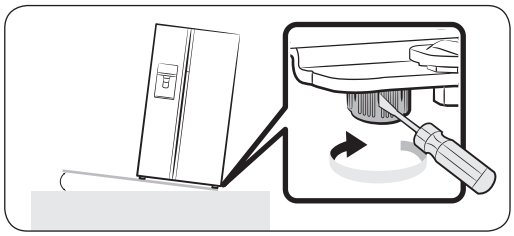
- When install the refrigerator, the legs should touch the floor surely. The legs should be located on the back of under the each door. Insert it with flathead screwdriver and tighten up to arrow direction.
- Do not put the food on only one side when store the food. If put it on only one side, it is able to occur the conduction and injury.

If the freezer side is lower:



- Insert a flathead screwdriver into the height leveler located at the bottom back of the freezer door and turn it in the direction of the arrow until it is level.

If the refrigerator side is lower:



- Insert a flathead screwdriver into the height leveler located at the bottom back of the refrigerator door and turn in the direction of the arrow until it is level.

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NOTE

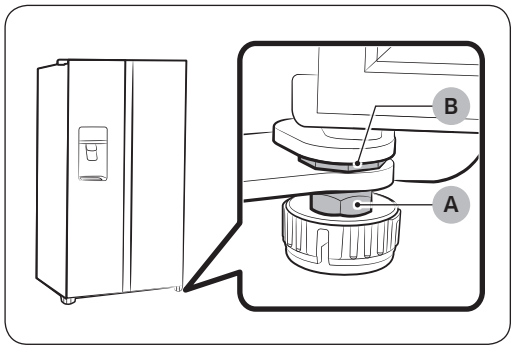
- Raise the front of the refrigerator so that the doors close by themselves.
  Adjusting the levelers so that the back of the refrigerator is much higher than the front of the refrigerator can make it difficult to open the doors.
- If the back of the refrigerator is not level, support the bottom with an appropriately sized object and secure the object in place using tape.
  Slide the refrigerator into its spot and then adjust the level.
- When pushing the refrigerator in, be careful not to damage the floor.

CAUTION

- The levelling feet must contact the floor. Store food balanced inside the fridge compartment (the shelves and drawers) with the door side.

How to adjust the door height

If refrigerator door is lower than the other:



- The door height levels can be adjusted using the adjustment nut located at the bottom of refrigerator door.
- Raising the door too high can cause the door to interfere with the hinge cover when it is opened or closed.

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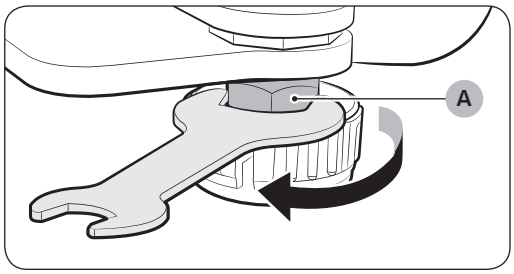
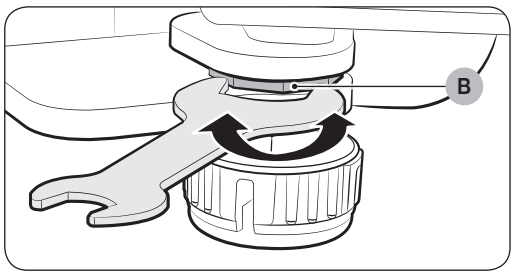
Setting up

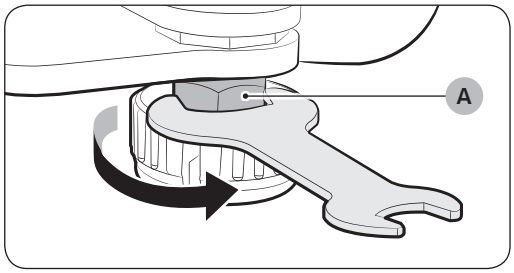


1. Open the door that needs to be adjusted and loosen the clamping nut (A) at the bottom of the door by turning it in the clockwise direction ( ) using the spanner included in the product package.



2. Adjust the height of the door by turning the adjustment nut (B) in the counterclockwise direction ( ) with a spanner.
(Turn it in the counterclockwise direction ( ) to increase the height of the door and in the clockwise direction ( ) to decrease it.)

- Open the door and adjust it from the inside.



3. Once the doors are level, turn the clamping nut (A) in the counterclockwise direction ( ) to tighten it.

NOTE

- Adjusting the level when the refrigerator is empty can result in the refrigerator becoming uneven again once items have been placed inside.
  If this occurs, adjust the level again.

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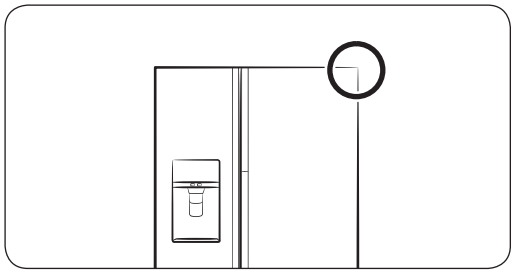
How to adjust the door gap

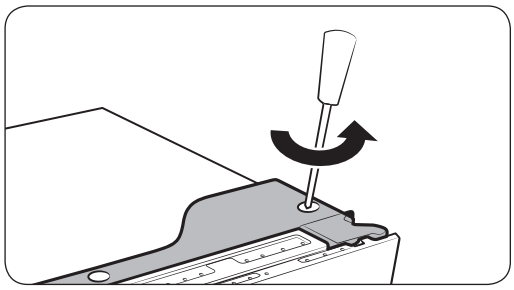
If the gap between the refrigerator door and the freezer door is uneven:

- Use the gap adjustor located at the top of the refrigerator door (right side).
- Excessive force can cause the adjustor bolt to break.

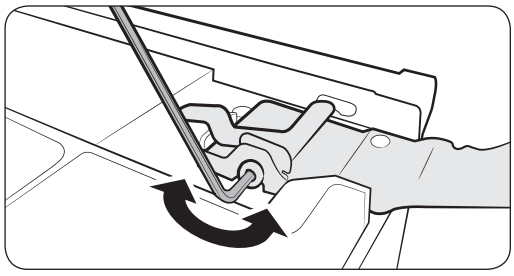


1. Remove the refrigerator door's hinge cover.

- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.



2. Adjust the gap using a 4 mm Allen wrench (not included).



3. Rotate the bolt in the clockwise direction ( ) to widen the gap. Rotate it in the counterclockwise direction ( ) to narrow the gap. Adjust until the gap between the refrigerator door and the freezer door appears even.

⚠ CAUTION

- When arranging the cables, take caution not to tear or peel off the cable coating.

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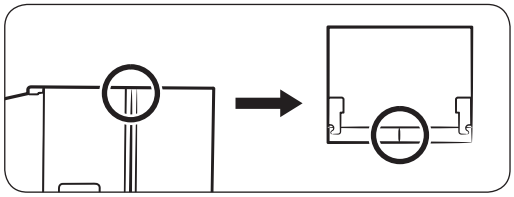
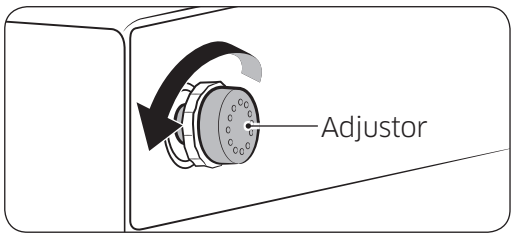
Setting up

How to adjust the refrigerator door gap (back)

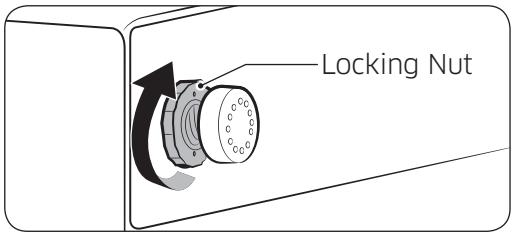
If the gap between the refrigerator door and the refrigerator is uneven:



- Use the adjustors located at the top edge inside each door.



1. Open the door where the gap with the refrigerator is narrower and then turn the adjustor in the counterclockwise direction (⟳) until the gap is even.



2. Once the gap between the door and the refrigerator has been adjusted, turn the adjustor nut in the clockwise direction (⟲) to lock the adjustor in place.

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Checking the water dispenser line

A water dispenser is one of the helpful features on your new Samsung Refrigerator.
To help promote better health, the Samsung water filter removes unwanted particles from your water.
However, it does not sterilize or destroy microorganisms.
You may need to purchase a water purifying system to do that.
In order for the ice maker to operate properly, a water pressure of 20~125 psi (138~862 kPa) (pound per square inch) is required.
Under normal conditions, a 170 cc (5.75 oz.) paper cup can be filled in 10 seconds.
If the Refrigerator is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.
Make sure the water storage tank inside the Refrigerator is properly filled.
To do this, press the water dispenser lever until the water runs from the water outlet.

NOTE

- Water line installation kits are available at extra cost from your dealer.
  We recommend using a water supply kit that contains copper tubing.
- The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.
- Check the accessory list.

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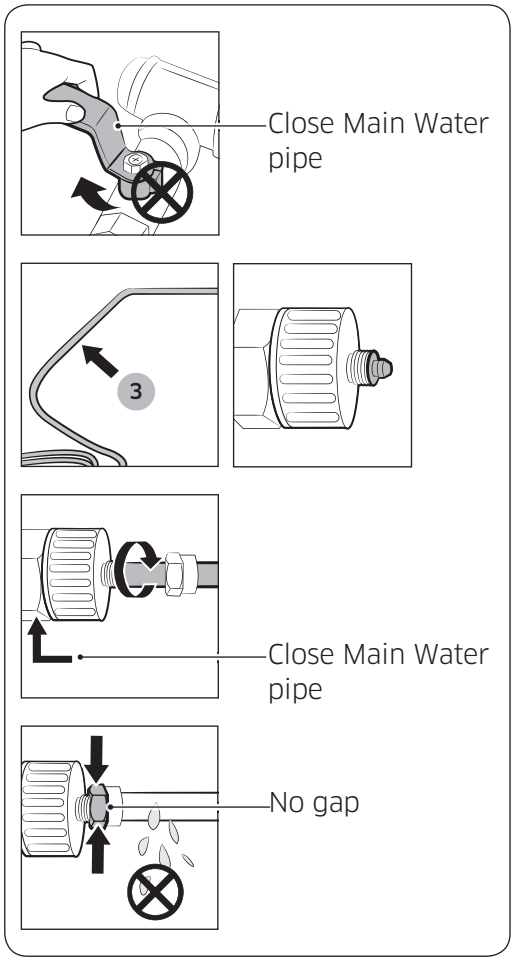
Setting up

Connecting to the water supply line



1. First, shut off the main water supply line.
2. Locate the nearest cold, drinking water line.
3. Follow the Water Line Installation Instructions in the installation kit.

⚠ CAUTION

- The water line must be connected to the cold water pipe.
  If it is connected to the hot water pipe, it may cause the purifier to malfunction.

4. After connecting the water supply to the water filter, turn your main water supply back on and dispense about 3 L to clear and prime the water filter.

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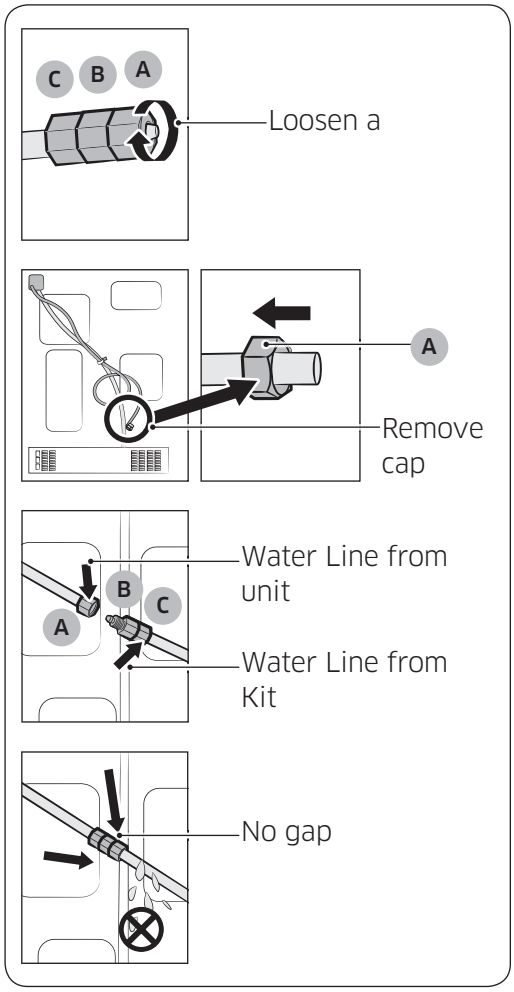
Connecting the water line to the refrigerator



1. Remove the cap from water line on the unit and insert compression nut to the water line on the unit after disassembling from provided water line.
2. Connect both water line from the unit and water line in the kit.
3. Tighten the compression nut onto the compression fitting.
   Be careful no gap between two items.
4. Turn water on and check for any leakage.

NOTE

- Only connect the water line to a drinkable water source.

If you have to repair or disassemble the water line, cut off 6.5 mm of the plastic tubing to make sure you get a snug, leak-free connection.

⚠ CAUTION

- Before being used, the leakage in these places should be examined.

- Samsung Warranty does not cover WATER LINE INSTALLATION.
- It'll be done at customer's charge unless the retail price includes installation cost.
- Please contact plumber or authorized installer for the installation if needed.
- If water leakage occurs due to improper installation, please contact installer.

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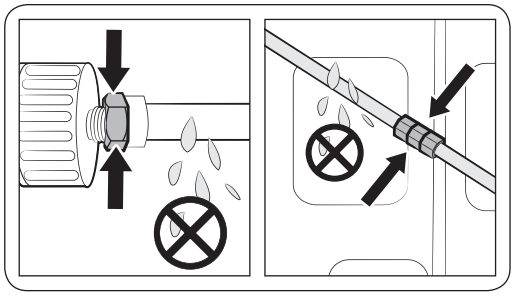
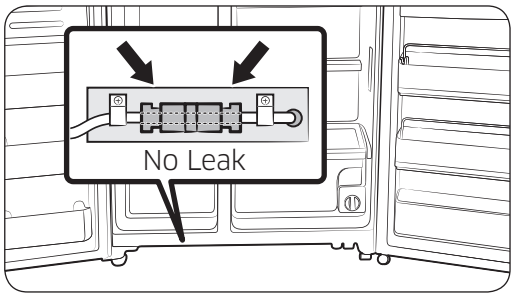
Setting up





1. Slip the compression nut (A) through the supplied plastic tubing (A).
2. Tighten the compression nut (A) onto the 1/4" compression fitting.

- If you are using copper tubing, slip the compression nut (B) (not included) and ferrule (not included) on copper tubing (not included) as shown.
- If you are using plastic tubing (B), insert the molded end (Bulb) of the plastic tubing (B) into the compression fitting.

⚠ CAUTION

- Do not use without the molded end (Bulb) of the plastic tubing (B).

3. Tighten the compression nut (B) onto the compression fitting.
   Do not over-tighten the compression nut (B).
4. Turn water on and check for any leakage.

NOTE

- Only connect the water line to a drinkable water source.
  If you have to repair or disassemble the water line, cut off 1/4" of the plastic tubing to make sure you get a snug, leak-free connection.

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Before using icemaker

Remove

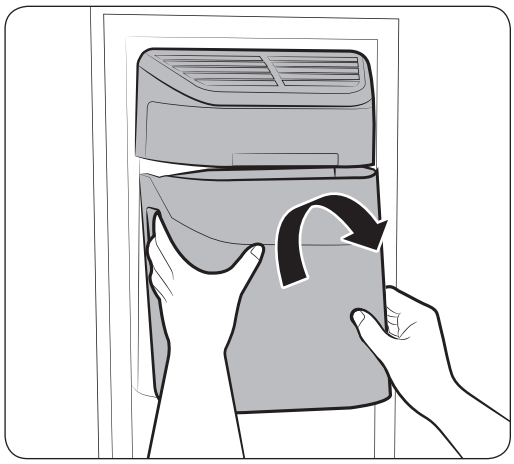

Figure1

- Remove the Icemaker Bucket by lifting it up and pulling it out slowly.
- Grip the handle as shown in the figure.
- Remove the Ice Bucket slowly to prevent damage.

NOTE

- Do not use excessive force when removing the drawer cover. Otherwise, the cover may break and cause injury.
- Before removing any accessories, make sure that no food is in the way. When possible, remove the food altogether to reduce the risk of accidents.

Install

- Assemble the icemaker in the reverse order of disassembly.
- Push the bucket in firmly until you hear a clicking sound.

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Setting up

Before calling service

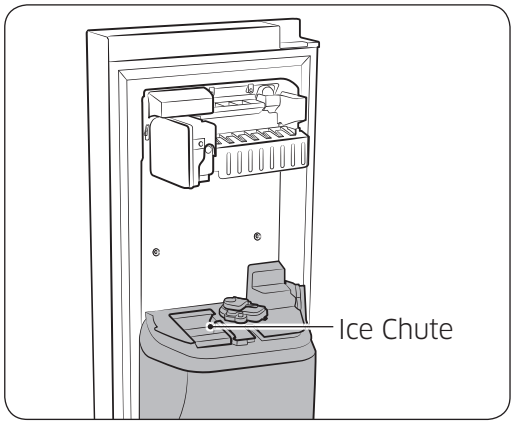

Figure 3

- Any sounds you hear when the ice maker dumps ice into the bucket are part of normal operation.
- If you don't dispense ice for a long period of time, the ice may form clumps in the ice bucket.
  If ice clumps form, remove the remaining ice and empty the bucket.
- When ice does not come out, check for ice stuck in the chute and remove it.

⚠ CAUTION

- When Ice Off blinks on the display panel, reinsert the bucket and/or make sure it's installed properly.
- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water spilling over the ice maker.
- To prevent dropping the ice bucket, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have dropped on the floor.
- Do not let the children hang on the ice dispenser or on the bucket.
  They may get hurt.
- Be sure not to put your hand or any object into the ice chute.
  It may cause personal injury or damage mechanical parts.

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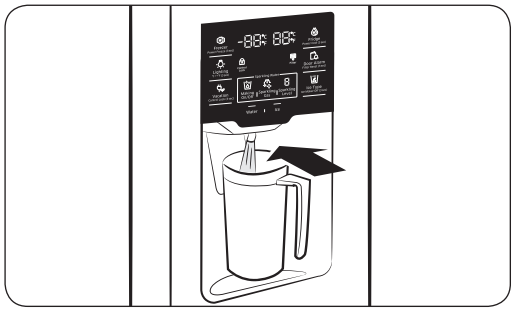
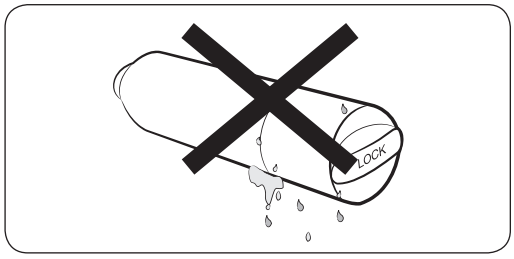
Removing residual matter inside the water supply line after installing filter.





1. Turn ON the main water supply.
2. Push the Dispenser Lever.
3. Flush 1 gallons of water through the filter before use. (Flush approximately 6 minutes.)
   This will clean the water supply system and remove air from the lines.
4. Additional flushing may be required in some households.
5. Open the refrigerator door and make sure there are no water leaks coming from the water filter.

NOTE

- A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser.
  This is due to air getting into the line.
  It should pose no problem to operation.

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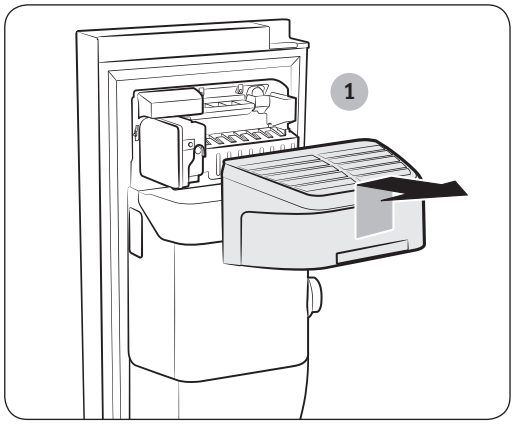
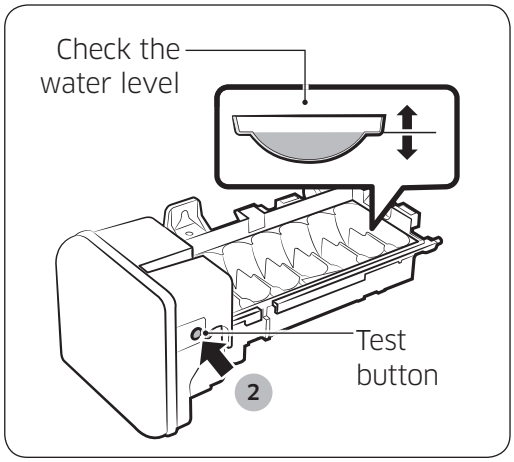
Setting up

Check the amount of water supplied to the ice tray.



Ice maker



1. Lift up the icemaker cover and gently pull it out.
2. When you press the Test button for 3 seconds, the ice cube container is filled with water from the water supply tap.
   Check to make sure the amount of water is correct (see the illustration below).
   If the water level is too low, the ice cubes will be small.
   This is a water pressure problem from within the main water pipes, not the refrigerator.

⚠ CAUTION

- It will take a few minutes for the water to reach the correct level after you push the Test button.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or ice jamming may occur.
- When the bucket is not installed, the ice maker does not work.
- When Ice Off blinks on the display panel, reinsert the bucket and/or make sure it's installed properly.

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Installing a SodaStream 60 L CO_2 Carbonator (for sparkling water refrigerators only - optional)

To use the sparkling water feature on your refrigerator, you need to install a SodaStream 60 L CO_2 Carbonator. If you don't have a sparkling water refrigerator, go to page 57.
You can pick up the SodaStream 60 L CO_2 Carbonator at retailer near you and your Arst SodaStream CO_2 Carbonator is free. (For further information, please visit "www.sodastream.com/samsung")

Purchasing Sodastream 60 L CO_2 carbonators

- Purchase SodaStream 60 L Carbonators at the nearest SodaStream retailer or on line. Visit www.sodatream.com for more information.
- USE ONLY SODASTREAM 60 L CARBONATORS. SAMSUNG and SODASTREAM are not legally responsible for any damage, including, but not limited to, property damage caused by gas leakage from the use of generic carbonators (or CO_2 cylinders). The sparkling water system in your SAMSUNG refrigerator is designed to work ONLY WITH SODASTREAM 60 L CARBONATORS.
- We suggest buying extra carbonators for later use. Store extra carbonators in a cool, open space, well out of the reach of children.

NOTE

- If sparkling water is produced when the internal refrigerator temperature or the temperature of the CO_2 cylinder is high, you may hear a "horn sound".
  When you turn on your refrigerator for the first time, you should not generate sparkling water production until after approximately 2 hours. When you purchase a new CO_2 cylinder, be sure to store it in a cool dry place until you are ready to install it (-5 °C ~ 20 °C).
  If the cylinder is stored in higher temperatures, it may build up extra internal pressure, which could create a "horn sound" when sparkling water is produced.

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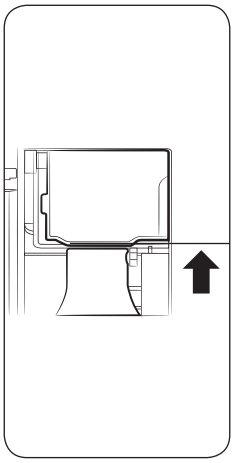
Setting up

Installing a carbonator into the refrigerator

To install a new SodaStream 60 L Carbonator in the refrigerator, follow these steps:

1. Open the sparkling gas cylinder cover at the door of the Freezer.

- When opening the cylinder cover, hold the handle protruding from the middle of the cover.



2. Connect the sparkling gas cylinder to the gas injecting device. Turn the sparkling gas cylinder clockwise to tighten it firmly.

- If the sparkling gas cylinder is not properly connected, a sound of gas leaking may be made (the nozzle won't come down or the sparkling water won't be made with only the sound of motor being made). Then, accurately connect the cylinder again.
- Turn the sparkling gas cylinder to below the gas inlet to fasten.
- Attach the SodaStream 60 L Carbonator to the regulator, and then rotate it clockwise.
- You must use a SodaStream™ CO_2 cylinder (60 L).
- Replacement SodaStream cylinders are available for easy exchange or refill at local Sodastream retailers.
- Wrap the used cylinder and return it to the person who delivers the new cylinder in USA and Canada.
  In Australia and New Zealand, please return empty CO_2 Cylinder to the service or information counter at your local retailer for exchange/refill.

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NOTE

- All costs associated to the refill or exchange of the CO_2 Cylinder are that of the refrigerator owner.
- Thread of CO_2 cylinder is different according to country by country.

3. Push the sparkling gas cylinder to the end of the case.

- Close the sparkling gas cylinder cover.

NOTE

- Remove the cylinder in the reverse order of installation.

4. Turn the sparkling water Bottle to the right to fasten it to the sparkling water Maker.

- When it is normally fastened, the sparkling water icon will be activated, and the Display Lamp will be turned ON for 10 seconds.
- Press the Making On/Off button to start making sparkling water. If the small icons inside the cup of the button blink in order, it means the product is making sparkling water.
- If you use the product by putting in water to exceed the Max line and the water overflow, afterwards some water may leak, but it is normal.

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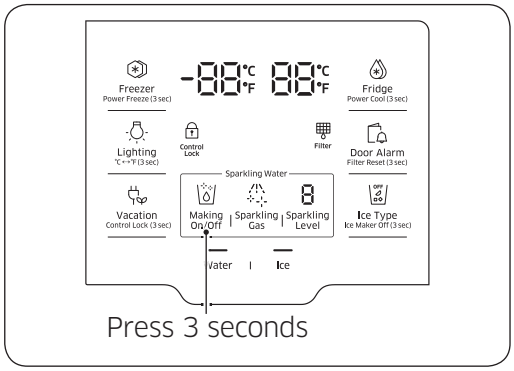
Setting up



NOTE

- After completely making sparkling water, turn the sparkling water Bottle to the left to separate. (When you are separating the Bottle, water drops may fall down.)
- If you do not turn the sparkling water Bottle to the end, the product won't make sparkling water. Turn the sparkling water Bottle to the end until a 'ding ding' sound is made.

5. Press the Making On/Off button to run the sparkling Making function. Wait about 20 minutes. (the amount of time needed for a medium level of carbonation) while the refrigerator makes sparkling water.

- To make sparkling water, the refrigerator injects CO_2 from the CO_2 cylinder into water stored in the sparkling water tank. The water enters the tank through the refrigerator's water supply line.

6. To remove any residual substances that may be in the water, dispense 2 or 3 large glass fulls of sparkling water and empty them into a sink.

NOTE

- For more information about using the sparkling water function, see “How to use sparkling water dispenser” on 64 page.

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How to enjoy tasty sparkling water

Category	Details
Temperature of Water	• The sparkling water's taste is the best at 10 ˚C or lower. • It is recommended for you to drink the water after it is cooled enough.
Sparkling Level of sparkling water	• There are three sparkling levels according to the sparkling gas injection frequency. (Level 1: Once, Level 2: Twice, Level 3: Three times) • If you want to add more gas after completely making the sparkling gas, press the Sparkling Gas button. But, do not do so if you have additionally put additives in or the marked Max line is already exceeded.
External Water Pressure and Water Taste	• When the supplied water is insufficient because of weak water pressure, the amount of sparkling water may be less. • When installing the product, check if the water pipe valve is properly open and if the connecting tube is not folded while connecting the water pipe. • If the water supplied to the Refrigerator is connected to a water purifier, the amount of water supply may be insufficient when you are making sparkling water. It is recommended for you to stop using the water purifier for about five minutes when you are starting to make sparkling water.

A guide for quantity of sparkling water to be made

Surrounding Temperature / Sparkling Level	10 ˚C	20 ˚C	30 ˚C
Level 1	About 108 bottles (54 L)	About 94 bottles (47 L)	About 85 bottles (42.5 L)
Level 2	About 54 bottles (27 L)	About 46 bottles (23 L)	About 43 bottles (21.5 L)
Level 3	About 36 bottles (18 L)	About 32 bottles (16 L)	About 28 bottles (14 L)

NOTE

- Even at the same level, the taste of sparkling water may differ depending on the surrounding temperature.
- This Guide is for reference and does not show an absolute value. It may differ depending on the conditions for use.

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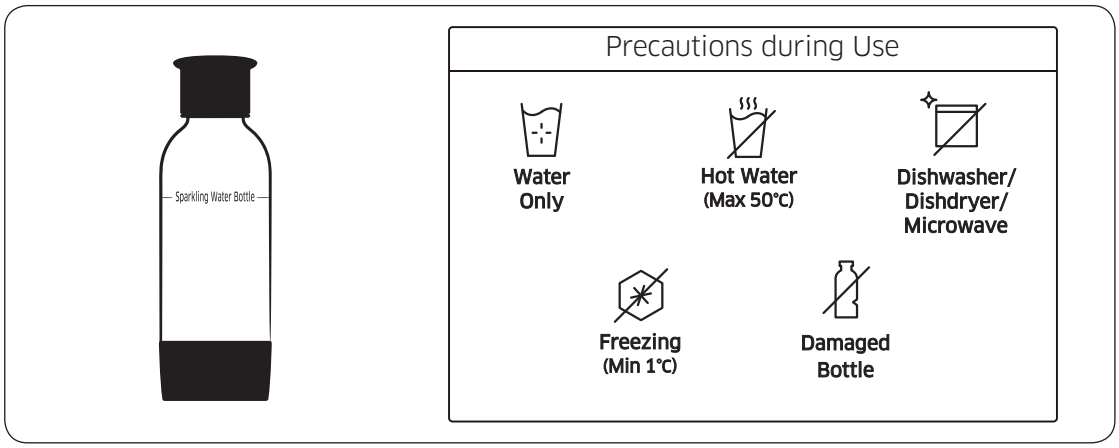
Setting up

How To Install Sparkling Gas Cylinder and Sparkling Water Bottle

Precautions for Use of Sparkling Water Bottle



Max 500ml	The sparkling water is made by supplying water of a certain amount up to the Max line. Fasten an empty bottle for preventing water from overflowing. When you are making sparkling water by injecting only sparkling gas to pure water, make the sparkling water by putting in water up to the Max line. If you do not do so, it may cause water to overflow.
Beware Overflow of Water	If you put too much water in the sparkling water bottle, the sparkling water icon will blink, a 'ding dong' sound is made five times, and the function will stop. Here, drain the water in the sparkling water bottle to below the Max line and press the sparkling gas button, and then the product will normally work again.
CAUTION	While the sparkling gas is being injected, a melody will sound, and when it is completely injected, a 'ding dong' sound is made and the injection will be finished. While you are injecting sparkling gas, do not release the fastening of the sparkling water bottle.

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- You may use only water (sparkling water) and may not use any other drink. (including syrup, milk, cola, Sprite, wine, etc.): If you put an additive in before making the sparkling water, it may cause a disorder or a malfunction.
- When the Sparkling Water Bottle is damaged, it may be broken due to pressure. Thus, do not use it.
- If you use a dishwasher or drier for the Bottle, it may cause deformation of the Bottle. Thus, do not use them.
- If you wash the Bottle with hot water, it may cause deformation of the Bottle. Thus, wash the Bottle with lukewarm or cold water.
  [MAX 50 °C]
- Do not use a rough dish sponge for washing the Sparkling Water Bottle. If you use a rough dish sponge, it may cause the printed letters to be erased or damaged on the Sparkling Water Bottle.
- You can easily wash the inside of the Bottle with a long brush.
- You can easily wash the inside of the lid of the Bottle with a thin brush.
- If you cool the Bottle, it may be damaged. Thus, do not keep it frozen.
  [MIN 1 °C]
- When fastening the Sparkling Water Bottle, do not give too much force. It may cause a damage.
- As the Bottle is a pressure container, it is recommended to be used within the indicated shelf life.

⚠ CAUTION

- While the sparkling gas is being injected, a melody will sound, and when it is completely injected, a 'ding dong' sound is made and the injection will be finished. While you are injecting sparkling gas, do not release the fastening of the Sparkling Water Bottle.
- After five minutes have passed after sparkling water is made, sparkling gas inside the Water Bottle may dissociate and the Water Bottle may be pushed slightly. Thus, pay attention.

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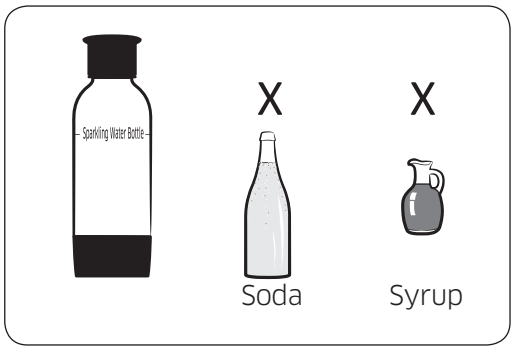
Setting up

Caution for using the Sparkling Water Bottle



⚠ WARNING

- Make sparkling water with pure water.

- You can separately inject sparkling gas into the sparkling water bottle with the sparkling gas button.
- If you inject sparkling gas to water with pulp or additives with viscosity, a lot of bubbles will be generated and they may block parts such as the gas spray nozzle. Thus, do not use such water.
- Even if you add sparkling gas to flat soda, the sparkling level will not increase due to generation of bubbles.
  Add syrup after completely making sparkling water.
- If you put in more water than the required amount into the sparkling water bottle, water may overflow or the product may stop working due to sensing the overflow of water when you inject sparkling gas. Put in water only up to the marked max line.
  When the product stops working and the icons of making on/off, sparkling gas, and sparkling level blink, drain the water in the sparkling water bottle to below the max line, fasten the sparkling water bottle again, and press the sparkling gas button to make sparkling water.

- The max line is separately marked on the sparkling water bottle, so check it and put in a proper amount of water.
- When sparkling water or water is left inside the sparkling water bottle and you operate the sparkling water making function, water may be supplied to exceed the max line, and water may overflow when you inject sparkling gas. In addition, the product may stop working due to sensing the overflow of water.

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When you use the product for the first time after installation, pay attention to the following matters.

- Discard the sparkling water made for the first time (about 0.5 L) after the initial installation of the refrigerator for cleaning, and make sparkling water again.
- If you make sparkling water when the water is not cool enough yet after the refrigerator is initially installed, you cannot feel the taste of sparkling water sufficiently. Thus, make sparkling water after running the refrigerator for about 12 hours.
- If the sparkling gas cylinder's temperature is high after the initial installation of the refrigerator, a sound ('boo') may be made while gas is being injected. Thus, keep the cylinder at a cool place (with temperature of 20 °c or lower) without direct sunlight.

Do not separate the bottle while making sparkling water.

- If you randomly separate the bottle while sparkling gas is being injected, the water may spatter or gas may rapidly leak to make a loud sound. A buzzer sound is made while sparkling gas is being injected, and a sound of sparkling gas being discharged and an ending sound is made when the injection is finished. Separate it after sparkling water is completely made and when the product is in a stable state.

After making sparkling water, separate the bottle to keep it in the refrigerator.

- When a certain amount of time has passed after sparkling water is made, gas may come out and the internal pressure will go up. Thus, in order to prevent this, gas is discharged constantly.
  A 'tick tick' sound may be made while gas is being discharged. Fasten the sparkling water bottle only when you are making sparkling water. After making sparkling water, separate the sparkling water bottle to keep it in the refrigerator or at a cool place without direct sunlight.

Use only an empty bottle for the sparkling water making function.

- When sparkling water or water is left inside the sparkling water bottle and you operate the sparkling water making function, water may be supplied to exceed the max line, and water may overflow when you inject sparkling gas. In addition, the product may stop working due to sensing the overflow of water.

Use the sparkling gas function only when pure water is put in.

- If you inject sparkling gas while the sparkling water bottle is empty, a loud sound may be made when you separate the bottle because of pressure. If the bottle won't be separated, separate the cylinder, discharge gas, and then separate the bottle.

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Setting up

Do not separate or fasten the sparkling water bottle while making sparkling water.

- It may cause damage, injury, and malfunction.

If the sparkling water bottle is damaged, replace it.

- The sparkling water bottle is made from eco-friendly pet, and it may be damaged if boiled or frozen.
  (Temperature for use: 1 °C-50 °C)
- If you wash the bottle with a dishwasher, it may be damaged. Thus, do not do so, and if the bottle is damaged, replace it.
- The bottle may be damaged by external impact or be polluted, so pay attention when using or keeping it. After the period of use (it is recommended to use the bottle within two years after purchase.), Replace the bottle with a new one.

NOTE

- The sparkling water bottle is a product for exclusive use for this company's products. If you want to additionally purchase it, you have to pay for it.
- If you request for a visit for after-sales service for replacement (disassembly/ assembly) of the sparkling gas cylinder, you have to pay for the service.
  To purchase new sparkling water bottle, contact a Samsung service centre.

Do not hang on the cylinder cover.
It may cause a damage.

- Avoid getting injured by being stabbed by the edge or the like when you open the cylinder cover to replace the cylinder or for any other purpose. You need to pay more attention to children.
- After fastening the cylinder, close the cover before operating the product.

Avoid giving too much force when fastening the cylinder and the sparkling water bottle as it may cause damage.

- If you hang on it or bend it back forcefully while the cylinder and the sparkling water bottle are fastened, gas may leak with a loud sound and it may cause a damage.

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Completing the set up

Now that you have your new refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance. By completing the following steps, your refrigerator should be fully operational.

1. Make sure your refrigerator is in an appropriate location with reasonable clearance between it and the wall. Refer to installation instructions in this manual.

2. Once the refrigerator is plugged in, make sure the interior light comes on when you open the doors.

3. Set the Temperature control to the coldest temperature and wait for an hour. The freezer will get slightly chilled and the motor will run smoothly. Reset the refrigerator and freezer to the temperatures you want.

4. After you plug the refrigerator in. It will take a few hours to reach the appropriate temperature. You can store food and drinks in the refrigerator after the temperature is sufficiently cool.

NOTE

- If condensation or water drops appears on both sides of fridge door's central part, turn the Energy Saving mode off after removing the condensation. (See the explanation of the Energy Saving button in "Checking the control panel" on page 58.)

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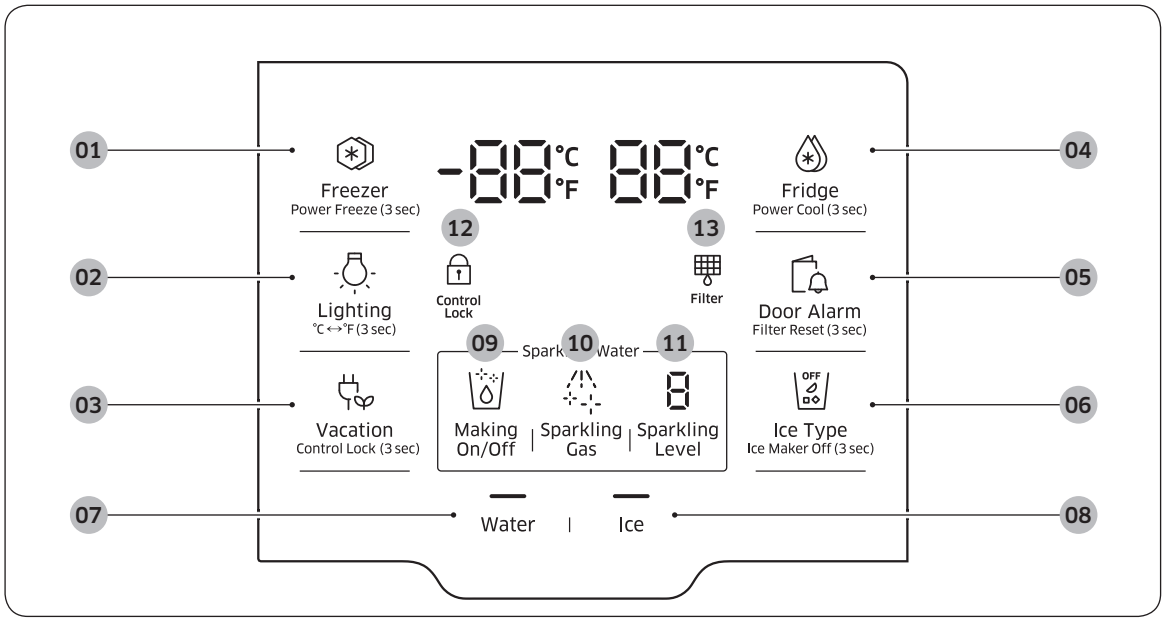
Operating

Checking the control panel



01 Freezer / Power Freezer (3 sec)	The Freezer button serves two purposes: - To set the Freezer to your desired temperature. - To turn the Power Freeze function on and off. **1.** To set the Freezer temperature, touch the Freezer button to set the Freezer to your desired temperature. You can set the temperature between -15 °C and -23 °C. **2.** Power Freezer function Touch and hold this button for 3 seconds to decrease the time needed to freeze products in the Freezer. Power Freeze can be helpful if you need to quickly freeze easily spoiled items or if the temperature in the freezer has warmed dramatically (For example, if the door was left open). When you use this function, the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting. If you need to freeze a large amount of food, activate Power Freeze function at least 24 hours before. To turn Power Freeze off, touch and hold this button again for 3 seconds.

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02 Lighting / °C↔°F (3 sec)	The Lighting button serves two purposes: - To turn the dispenser light on and off - To switch the temperature units between °C and °F. **1.** Light Function Touching the Lighting button turns on the Dispenser LED lamp in continuous mode so that it stays on continuously. The button also lights up. If you want the Dispenser lamp to come on only when some one uses the dispenser, press the Lighting button to turn the continuous mode off. **2.** To switch the temperature units between °C and °F. Touch and hold this button for 3 seconds to select the temperature display you want. Each time you press and hold the button, the °C and °F temperature modes alternate and the °C and °F icon lights up, indicating your selection.
03 Vacation / Control Lock (3 sec)	The Vacation button serves two purposes: - To turn Vacation mode on and off - To re-activate the panel butttons. **1.** Vacation Function If you are going on vacation or business trip or you do not need to use the refrigerator, press the Vacation button. When you select vacation button for fridge compartment off, display LED of Vacation will be on. It is strongly requested to remove foods in the fresh-food compartment and do not leave the door open when you select Vacation function. **2.** Control Lock function Touch and hold this button for 3 seconds to lock the Main Control Panel. If the Main Control Lock is on, none of the buttons on the Main Control Panel work. (However, the dispenser control panel and the dispenser level will continue to work, because the dispenser control panel has its own, independent Control Lock button.) To unlock the Main Control Panel, touch and hold this button for 3 seconds again.

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Operating

04 Fridge / Power Cool (3 sec)	The Fridge button serves two purposes: - To set the Fridge to your desired temperature. - To turn the Power Cool function on and off. **1.** To set the Fridge temperature, touch the Fridge button. You can set the temperature between 7 °C and 1 °C. **2.** Power Cool function Touch and hold this button for 3 seconds to decrease the time needed to cool products in the Refrigerator. Power Cool can be helpful if you need to quickly cool easily spoiled items or if the temperature in the fridge has warmed dramatically (For example, if the door was left open). To turn Power Cool off, touch and hold this button again for 3 seconds.
05 Door Alarm / Filter Reset (3 sec)	The Door Alarm button servers two purposes: - To turn the door open alarm on and off. - To reset the water filter life indicator. **1.** Door Alarm Function If the door alarm is set to On, an alarm beeps if any refrigerator door is left open for more than three minutes. The beeping stops when you close the door. The door alarm function is pre-set to On in the factory. You can turn it off by pressing and then releasing the Alarm button. You can turn it back on in the same fashion. The icon lights up when the function is on. When the Door Alarm function is on and the alarm sound is triggered, the Door Alarm Icon will blink while the alarm sounds. **2.** Water Filter Life Indicator Function After you replace the water filter, touch and hold this button for 3 seconds to reset the water filter life indicator. When you reset the water filter life indicator, the Filter icon on the panel turns Off. The Filter icon will turn red to let you know it is time to change the water filter after six months (about 300 gallons). Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly. If this is the case in your area, you will have to change the filter more frequently than every six months.

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06 Ice Type / Ice Maker Off (3 sec)	You can set to make cubed or crushed ice. You can set or set not to make ice.
07 Water	You can use water by pressing the button and pressing the Lever. If you continuously use water for about one minute or longer, the water supply may stop for a while. If you want to continue to use water, press the Lever again. Use the Water and the Ice function after taking the Sparking Water Bottle out. It won't work while the Sparkling Water Bottle is fastened.
08 Ice	If you press the button and press the Lever, you can use the ice cubes/pieces of ice selected at the icon of number 6. Use the Water and the Ice function after taking the Sparking Water Bottle out. It won't work while the Sparkling Water Bottle is fastened.

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09 Making On/ Off	If you press the button after fastening the Sparkling Water Bottle, the sparkling water making function will work. While sparkling water is being made, the icons in the cup will be turned ON in order repeatedly, and if the sparkling water is made completely, all the icons will be turned ON. When the sparkling water is completely made, the making function will not work even if you press the Making On/Off button. After the sparkling water is made completely, you must separate the Sparkling Water Bottle. If you press the Making On/Off button again when you want to stop the sparkling water making function, the product will stop making. If you press the Making On/Off button while water is being injected into the Sparkling Water Bottle, the product will stop making and the water drop icon in the cup will be turned ON. Here, if you press the Making On/Off button again, the product will resume making from the part where it stopped making. If you press the Making On/Off button while sparkling gas is being injected after water is injected into the Sparkling Water Bottle, the making function will be finished, and all the icons in the cup will be turned ON. When there is water in the Sparkling Water Bottle and you press the Making On/Off button, the water may overflow. Thus, drain the water, and then fasten the Sparkling Water Bottle to make sparkling water.
10 Sparkling Gas	If you press the button after fastening the Sparkling Water Bottle, you can additionally inject sparkling gas. You can additionally inject sparkling gas after completely making sparkling water or make sparkling water manually after filling the Sparkling Water Bottle with water separately. Put in water only up to the Max line. While sparkling gas is being injected additionally, the Sparkling Gas icons will be turned ON in order repeatedly, and if the sparkling gas is added completely, all the icons will be turned ON. If you press the Sparkling Gas button, sparkling gas will be injected one time. You can add sparkling gas up to four times, and it will not be added no more than that. Do not add sparkling gas to an empty Bottle. When separating the Bottle, gas may rapidly leak to make a 'bang' sound.

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11 Sparkling Level	You can select the sparkling gas injection frequency by pressing the button. Every time you press the button, the number icon will change in order (from 2 to 3 to 1 to 2 and so on). When sparkling gas begins to be injected, even if you change the injection frequency, it will not be reflected, but will be reflected in the next sparkling water making process.
12 Control Lock	This icon lights up when you activate the Lock function. When the Control Lock icon is lit, all the panel buttons, including the Ice button and the dispensers, are locked and de-activated. Press and hold the Control Lock button for 3 seconds to turn Control Lock off and re-activate the panel buttons.
13 Filter	Water filter usage This icon lights up when you need to change the filter, usually after the refrigerator has dispensed about 300 gallons of water (after about 6 months). After you install the new water filter, reset the filter indicator by touching and holding the Hold 3sec for Filter Reset button for 3 seconds. - If water is not dispensing or dispensing slowly, you need to replace the water filter because the water filter is clogged. - Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly.

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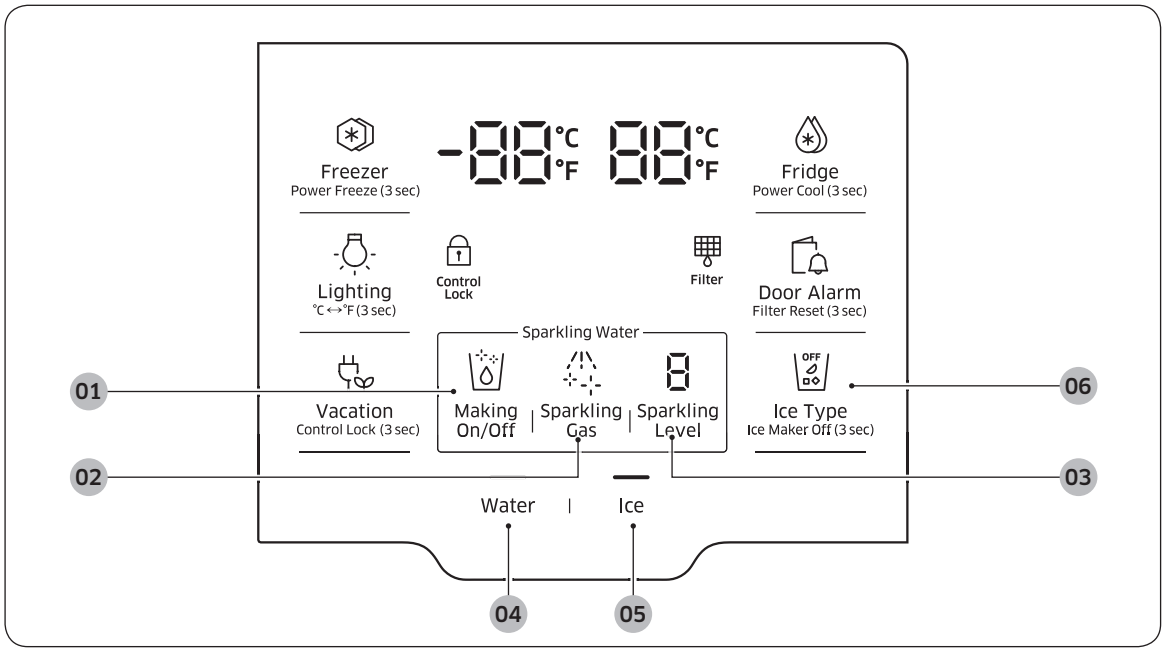
Operating

How to use sparkling water dispenser



1. How To Set Making of Sparkling Water

1-1. If you want to make sparkling water, install the Cylinder by referring to "How To Install Sparkling Gas Cylinder and Sparkling Water Bottle" in page 52.

1-2. The sparkling water making function works as follows.

1) Fasten an empty Sparkling Water Bottle.
2) Press the Making On/Off button on the Control Panel on the front of the Refrigerator (01) to start the sparkling water making function.
3) If the small icons in the cup of the Making On/Off icon blink in order, it means that sparkling water is being made. When the sparkling water is completely made, all the small icons will be turned ON.
4) When sparkling water begins to be made, water will be injected into the Sparkling Water Bottle, and sparkling gas will be injected for the frequency that is set.
5) When sparkling gas is being made, the Nozzle Pipe will protrude, and bubbles and a percolating sound is made as sparkling gas comes out.
6) sparkling gas is completely injected, the remaining gas in the Sparkling Water Bottle will be discharged and the making process will be finished.

NOTE

- About 0.5 L of sparkling water will be made.

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1-3. If you press the Making On/Off button (01) while sparkling water is being made, the making process will stop.

NOTE

- If you make sparkling water by pressing the Making On/Off button (01) when there is water in the Sparkling Water Bottle, the water may overflow. Thus, use the Bottle only when it is empty.

2. How To Additionally Inject Sparkling Gas

2-1. When the Sparkling Water Bottle is fastened, you can press the Sparkling Gas button (02) to additionally inject sparkling gas.
   1) When you want to additionally inject sparkling gas after sparkling water is completely made, press the button with the Sparkling Water Bottle fastened, and then sparkling gas will be additionally injected.
   2) Separately inject water up to the Max line into the Sparkling Water Bottle, fasten the Bottle to the Maker, and press the button. Then, sparkling gas will be injected, and you can make sparkling water.
   3) While sparkling gas is being injected additionally, the Sparkling Gas icons will be turned ON in order repeatedly, and if the sparkling gas is added completely, all the icons will be turned ON.

NOTE

- When you inject water separately, inject pure water only up to the Max line marked on the Sparkling Water Bottle in order to prevent water from overflowing. If you inject water of around 10 ℃, you can make tasty sparkling water.
- At a certain level or higher, the sparkling level will not increase even though you inject sparkling gas, and the amount of sparkling gas that is discharged and consumed may increase.

3. How To Set Level of Sparkling Water

3-1. Press the Sparkling Level button (03) to select the sparkling gas injection frequency you want.
   1) The number of the sparkling level means the current sparkling gas injection frequency.
   2) The default is Level 2, and every time you press the button, the level changes from 2 to 3 to 1 to 2 and so on.
   3) Sparkling gas is injected once at Level 1, twice at Level 2, and three times at Level 3.
   4) While sparkling gas is being injected, even if you press the Sparkling Level button (03) to change the injection frequency, it will not be reflected in the current making process, but will be reflected in the next making process.

Sparkling Level	Level 1	Level 2	Level 3
Injection Frequency	Once	Twice	3 times

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4. How To Extract Sparkling Water/Water/Ice

4-1. After fastening the Sparkling Water Bottle, if you press the Making On/Off button (01), you can make sparkling water.

4-2. Press the Water button (04) and press the Lever, and then water will come out.

4-3. Press the Ice Type button (06) to select the ice shape, press the Ice button (05), and press the Lever, and then the stored ice will come out.

5. When and How To Replace Sparkling Gas Cylinder

5-1. If the Gas Nozzle does not come down or sprays weakly when you are making sparkling water or adding sparkling gas, you must replace the Sparkling Gas Cylinder with a new one.

5-2. Please refer to "How To Install Sparkling Gas Cylinder and Sparkling Water Bottle" in page 52 for replacement of the Cylinder.

NOTE

- After automatic making of sparkling water (Select from among Levels 1, 2, and 3), you can select Level 1 again, and totally you can add sparkling gas four times.
  When you add sparkling gas separately, you can additionally inject sparkling gas four times regardless of the sparkling level. After that, you cannot add sparkling gas anymore.

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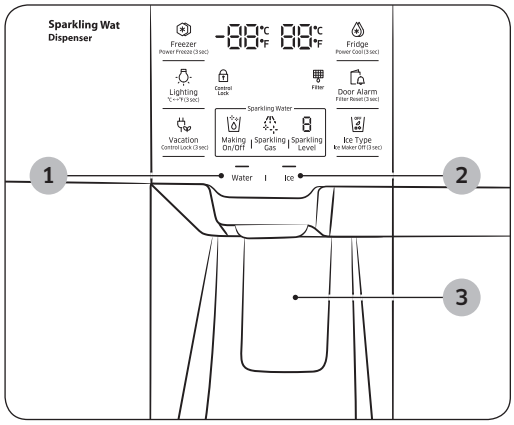
Using the ice/sparkling water/water dispenser

How to dispense the ice



Select an ice type.

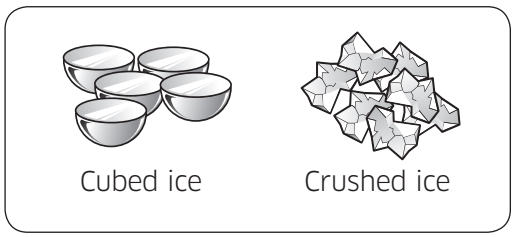
- Press the [Ice type] button to toggle between cubed ice and crushed ice. Select a desired ice type.
- Press the [Ice] 2 button. Put a cup on lever 3, and gently press the dispenser to dispense the ice.
- The cubed ice looks like a half moon while the crushed ice is smashed ice.
- Put the cup close to the dispenser to prevent the ice from splashing off.

How to dispense the sparkling water

Attach Detach

- After attaching the sparkling water bottle to the dispenser, press the [Sparkling Level] button to select a count. Then, press the [Make/Stop] button to start processing.
- When complete, turn the sparkling water bottle counter clockwise to remove.

How to dispense the water



Cubed ice Crushed ice

- Select the [Water] 1 button. Put the cup on lever 3, and gently press the cup to dispense the water.
- To dispense both water and ice, dispense ice first then water.

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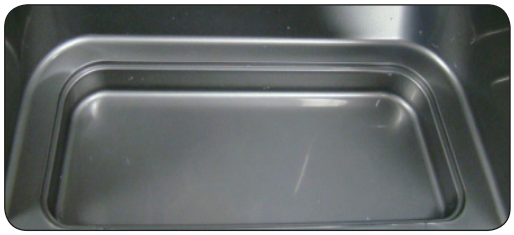
Operating

Dispenser tray



- After using the dispenser, use a dry cloth to clean and dry the dispenser tray.

⚠ CAUTION

- Do not use a thin glass or ceramic cup to dispense ice. The cup may crack.

NOTE

- If dispensing cubed ice after dispensing crushed ice, the cubed ice may have chips from the crushed ice.

To fill the ice tray

- The icemaker becomes stable one day or so after the product is installed.
- Dispense 4 to 6 pieces of cubed ice to a cup, and dispense a cupful of cubed ice after 8 and 16 hours respectively.
- You have to repeat this to disable the ice making capability. (However, you must wait for another 8 hours to dispense the first 4-6 pieces of ice again.)

To disable making ice (stop ice making)

Press and hold the [Ice Type] button.

- Empty the ice tray.
  If you do not empty the ice tray, the remaining ice melts and causes the icemaker to break down.
- Next time you use the icemaker, clean the ice tray in advance.

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NOTE

- If you open the refrigerator door while the refrigerator is making sparkling water, it will stop. When you close the door, it will resume making sparkling water in about a minute.
- If you keep dispensing sparkling water, the water stream may become unstable or break up. This is caused by changes in pressure in the sparkling water Production Tank. It is not a defect.
- If the water hose is kinked or water is not supplied properly, the Carbonation Level of the Sparkling water will be high. This occurs because the same amount of carbon dioxide (CO_2) is dispensed by the SodaStream 60 L Carbonator regardless of the amount of water in the Production Tank.
- If the sparkling water function is on and you dispense about 1.16 quarts (1.1 L) of sparkling water, the refrigerator automatically begins making more sparkling water.
- If you are not going to be home for a long period of time, do not want to use the Sparkling water function any more, or you are moving:
- Press the Sparkling Maker button for three seconds to turn off the Sparkling water function.
- Empty the Sparkling water tank by dispensing all the water in the tank.
- Remove the CO_2 Cylinder.
- When you dispense sparkling water, the CO_2 in the water causes the dispenser stream to disperse. To ensure that all the water dispenses into your glass, place the glass closer to the dispenser nozzle.
- If you replace a SodaStream 60 L Carbonator that has gas remaining, the Cylinder icon on the display may not turn on for a period of time.
- Purchase cylinders (60 L) at the nearest Sodastream retailer or on line at www.sodastream.com.

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Operating

Parts and features

Use this page to become more familiar with the parts and features of the Refrigerator. (This image may different depends on the model.)

NOTE

- The temperature of two star sections is slightly higher than other freezer compartment.

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01 Ice Storage Box	This is used for storing ice. Alternatively, you can take out the bin and free up more space inside the freezer.
02 Snack Bin (Optional)	This is used for storing small frozen food such as the ice cream.
03 Freezer Shelves	This is used for storing meat, fish, ice cream and other types of frozen food.
04 Multipurpose Freezer Compartments	Features tall freezer compartments for more efficient food storage. However, do not use these compartments for items you intend to store for a long time.
05 Dried Food and Meat Storage Bin	This is used for long-term storage of dried food and meat. Wrap the items in aluminum foil or kitchen wrap before storing them.
06 Cheese Case	This is used for storing eggs, cheese, butter, and other types of dairy products.
07 Sauce Case	Used for storing different types of sauces.
08 Refrigerator Shelves	This is used for storing general types of food that require refrigeration.
09 Egg Container	Best place to keep eggs. Place the egg tray on a shelf for easy access.
10 Drink Case	This is used for storing water, milk, juice, and other types of beverage.
11 Snack Case (Optional)	This is used for storing salads and side dishes.
12 Kids' Case (Optional)	Located at a height within easy reach of children. Use for storing yogurt, snacks, and other items for kids.
13 Multi Case	It is used for storing the dehydrated food such as dried noodle (spaghetti), beef jerky etc.

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Operating

⚠ **WARNING**

- If you plan to go away for a significant time, empty the refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.

- Deterioration in the power cord insulation may cause fire.

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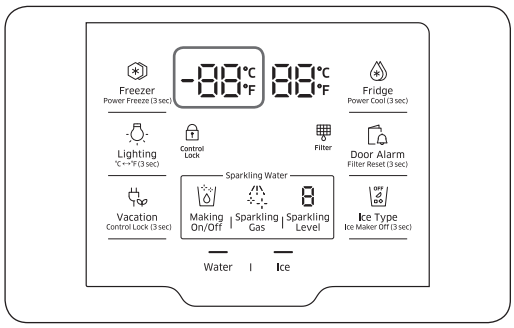
Controlling the temperature

Basic temperature of freezer and refrigerator compartments

The basic and recommended temperatures of the Freezer and Fridge compartments are -19 ℃ and 3 ℃ respectively.
If the temperature of the Freezer or Refrigerator Compartments are too high or low, adjust the temperature manually.

Controlling the Freezer temperature



Recommend Temp (Freezer) : -19 ℃
(This image may different depends on the model.)

The Freezer temperature can be set between -23 ℃ and -15 ℃ to suit your particular needs. Press the Freezer button repeatedly until the desired temperature is shown in the temperature display.
The temperature will change by 1 ℃ with each press. See below.

Fahrenheit : 0 °F → -1 °F → -2 °F → -3 °F → -4 °F → -5 °F → -6 °F → -7 °F → -8 °F → 5 °F → 4 °F → 3 °F → 2 °F → 1 °F → 0 °F.
Centigrade : -18 ℃ → -19 ℃ → -20 ℃ → -21 ℃ → -22 ℃ → -23 ℃ → -15 ℃ → -16 ℃ → -17 ℃ → -18 ℃.

Keep in mind that foods such as ice cream may-melt at -15.5 ℃.
The temperature display will move sequentially from -23 ℃ to -15 ℃.

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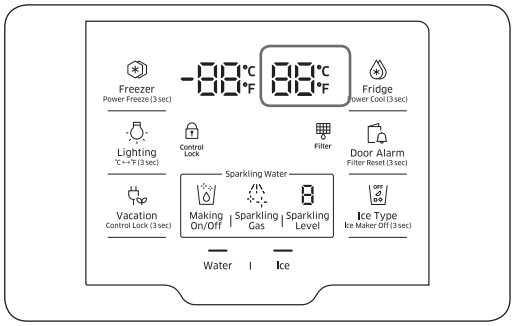
Operating

Controlling the Fridge temperature



Recommend Temp (Fridge) : 3 ˚C
(This image may different depends on the model.)

The fridge temperature can be set between 1 ˚C and 7 ˚C to suit your particular needs. Press the Fridge button repeatedly until the desired temperature is shown in the temperature display.
The temperature will change by 1 ˚C with each press. See below.

Fahrenheit : 37 ˚F → 36 ˚F → 35 ˚F → 34 ˚F → 44 ˚F → 43 ˚F → 42 ˚F → 41 ˚F → 40 ˚F → 39 ˚F → 38 ˚F → 37 ˚F.
Centigrade : 3 ˚C → 2 ˚C → 1 ˚C → 7 ˚C → 6 ˚C → 5 ˚C → 4 ˚C → 3 ˚C.

The temperature control process for the Fridge works just like the Freezer process. Press the Fridge button to set your desired temperature.
After a few seconds, the Fridge will begin adjusting towards the newly set temperature.
This will be reflected in the digital display.

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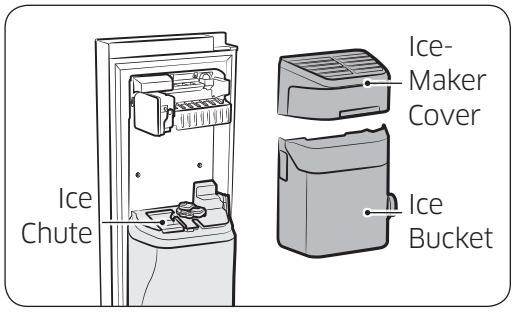
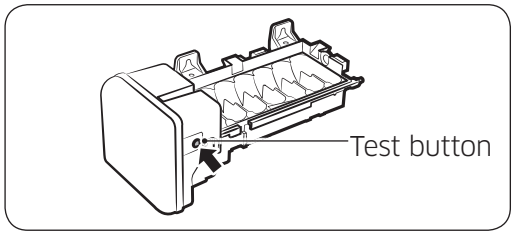
NOTE

- The temperature of the Freezer or Fridge may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.
  This may cause the digital display to blink.
  Once the Freezer and Fridge temperatures return to their normal set temperatures, the blinking will stop.
  If the blinking continues, you may need to “reset” the Refrigerator.
  Try unplugging the appliance, wait for around 10 minutes, and then plug the power cord back in.

Using the ice dispenser

Press the Ice button to select the type of ice you want.
Place your cup under the ice outlet, and then push gently against the dispenser pad.
Make sure the glass is in line with the dispenser to prevent the ice from bouncing out.
If you select Cubed Ice after using the Crushed Ice feature, a small amount of residual crushed ice might be produced.





CAUTION

- If ice does not dispense, pull out the icemaker cover and press test button located on the ice maker.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or the ice may jam the icemaker or dispenser.

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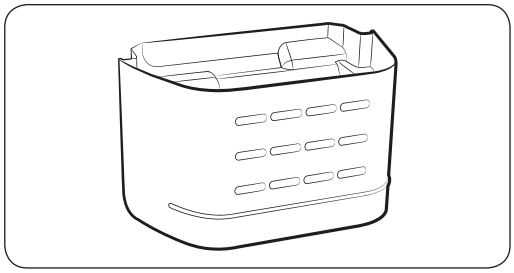
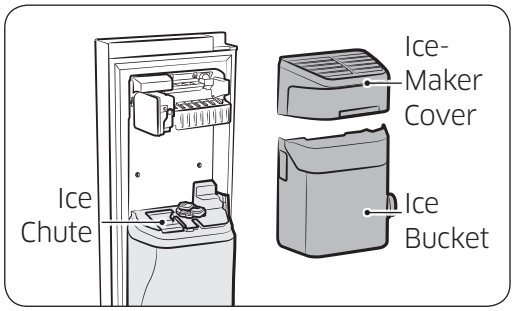
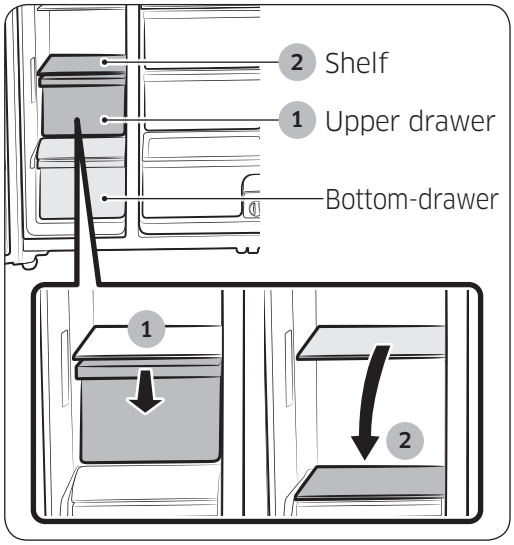
Operating



GUARD FRE (Freezer)-UPP (Optional)





NOTE

- For more space, you can store food with Guard FRE-UPP instead of the ice bucket, and remove the COVER-ICE MAKER and Snack Bin.
  If you remove the ice bucket, ICE OFF will blink on the display panel.
  Furthermore, you can remove the freezer Upper drawer and put the shelf on that place.
  Since it does not affect thermal and mechanical characteristics.
  A declared storage volume of frozen food storage compartment is calculated with "Guard FRE-UPP" positioned and "COVER-ICE MAKER", "Snack Bin", "Upper Drawer" removed.

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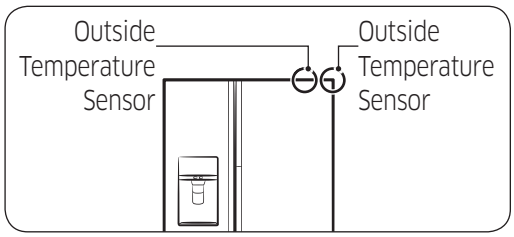
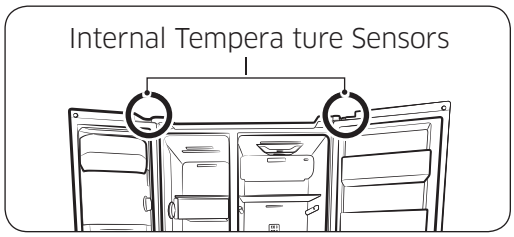
Smart eco features

Smart Eco System





Keep freshness of food using 4 sensors according to the operating environment, usage pattern and the refrigerator operating status while saving electricity costs.

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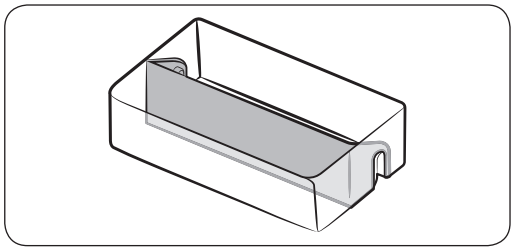
Operating

Fridge multi-purpose door bin

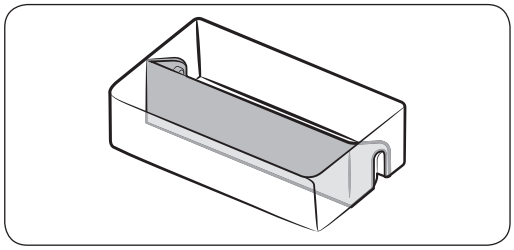
A detachable divider makes it convenient to store food.

Food products can be stored by items.

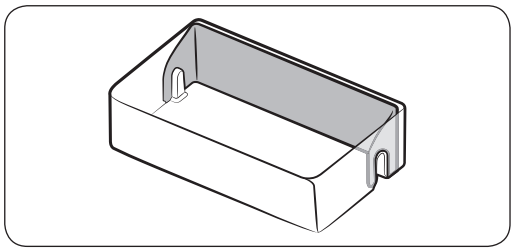


- Put the divider in place when storing slim-size condiment bottles and canned drinks together.
- Take out the divider when storing carton-size milks or drinks.

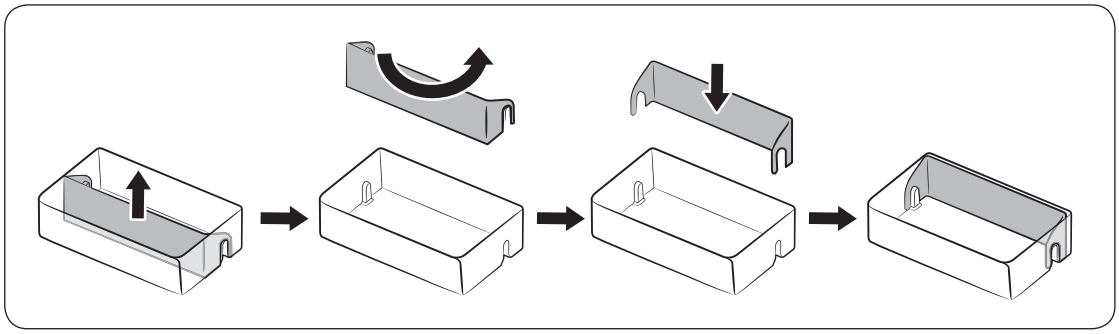
How to use the divider



1. Insert the divider as shown in the diagram to compartmentalize the case.



2. When not in use, simply flip it around and move it out of the way as shown in the diagram.



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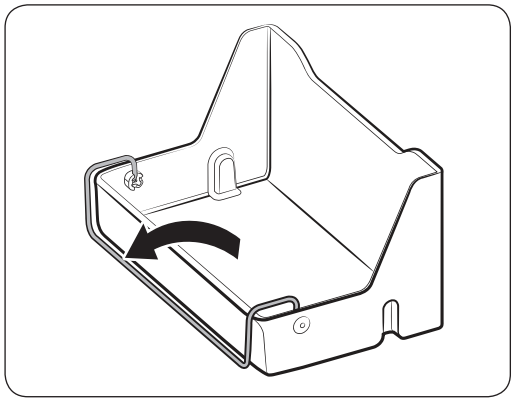
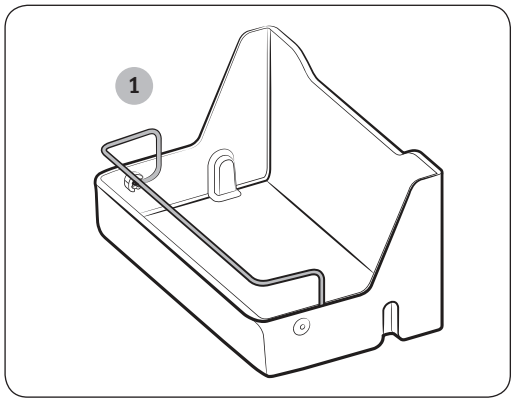
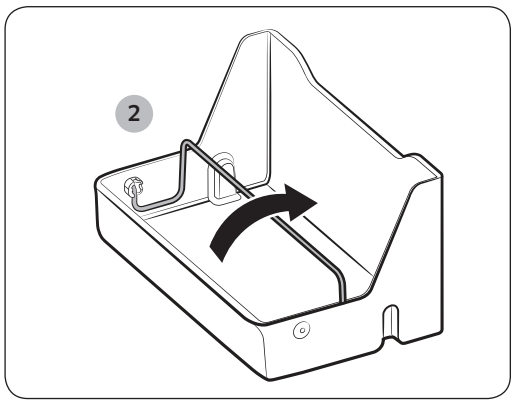
How to use the multi supporter



1. When not in use, leave the Multi Supporter flipped over as shown in the diagram.



2. Flip the Multi Supporter to position 1 to prevent items from falling out and over.



3. Flip the Multi Supporter to position 2 to use it as a divider.

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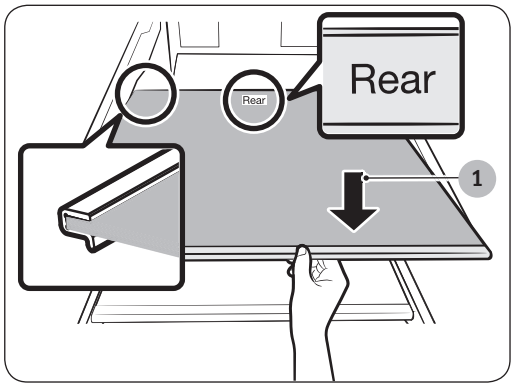
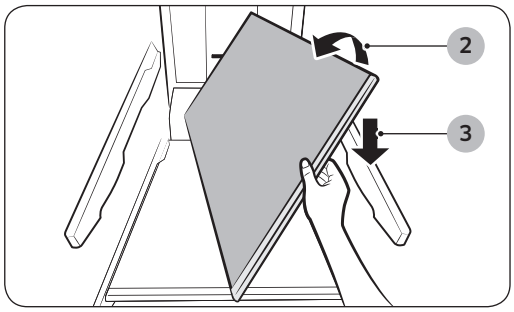
Operating

Removing the refrigerator accessories



1. Shelves (Freezer/Fridge)

- Open the door completely and then lift up the shelf as you pull it out to remove it.



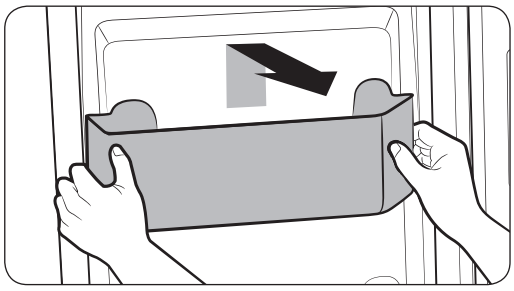
- If you are unable to open the door completely, pull out the shelf, lift it up, and turn it to remove it.

⚠ CAUTION

- Be careful not to insert the shelf upside down.

NOTE

- Glass containers can scratch the surface of the glass shelves.



2. Door Bin

- Remove the Door Bin by holding the door bin with both hands and then gently lift it up.

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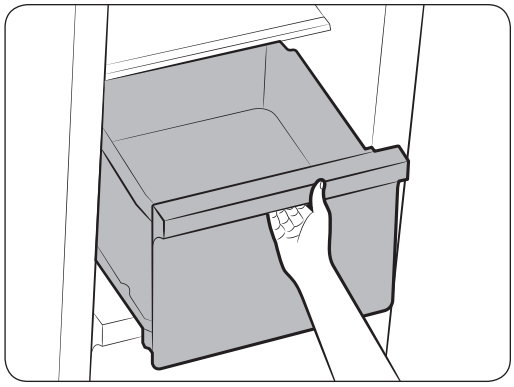
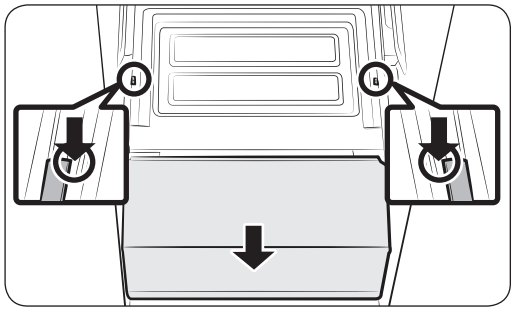


3. Drawer

- Remove the Drawer by pulling it out and lifting it up slightly.



(Optional)

4. Vegetable Bin / Dry Bin Cover

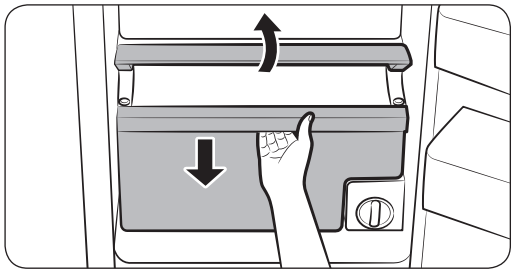
- Take out the bin above the Vegetable Bin (refrigerator)/Dry Bin (freezer).
- Press down on the clips on either side of the Vegetable Bin (refrigerator)/Dry Bin (freezer) and pull them out towards you to remove the bin.

⚠ CAUTION

- Be careful not to insert the shelf upside down.

NOTE

- Glass containers can scratch the surface of the glass shelves.



5. Vegetable Bin / Dry Bin

- Before taking out the Vegetable Bin/ Dry Bin, you need to remove the multipurpose compartments from the door.
- Lift the bin up slightly as you pull it out.

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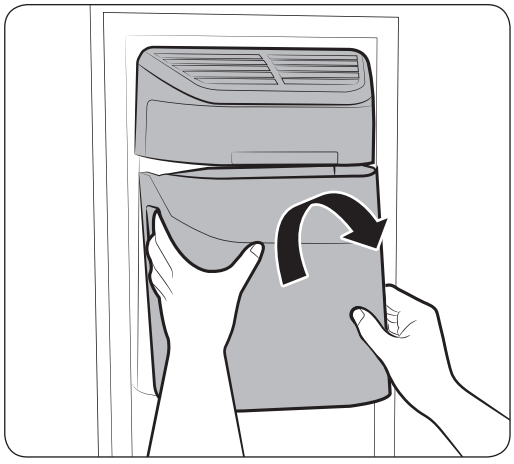
Operating

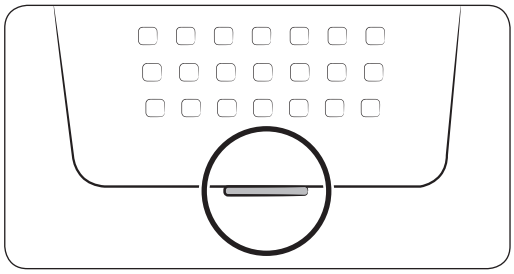


6. Ice Bucket (Freezer)

- Remove the Icemaker Bucket by lifting it up and pulling it out slowly.
- Grip the handle as shown in the figure.
- Remove the Ice Bucket slowly to prevent damage.

NOTE

- Do not use excessive force when removing the drawer cover. You can break the cover and cause injury.
- Before removing any accessories, make sure that no food is in the way. When possible, remove the food altogether to reduce the risk of accidents.



7. Removing the Deodorizer (Optional)

- Pull out the shelf slightly and then pull out the unit while pushing the deodorizer cover clip up using a flathead screwdriver.

8. Cleaning the Deodorizer (Optional)

- Clean the deodorizer once every two years or whenever you feel its performance has diminished.
- Dry the deodorizer under the sun for 24 hours and then replace it in the reverse order of its removal.

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Cleaning the refrigerator

⚠ WARNING

- Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire.
- Do not spray the refrigerator with water while it is plugged in.
  This can cause an electric shock.
  To clean the refrigerator, follow these steps:

1. Unplug the power code of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.

NOTE

- Do not use any kind of detergent to clean the refrigerator because that can discolour or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator back in.

Changing the interior lights

Freezer / Fridge LED Lamp

- If the LED Lamp Cover is stained with foreign substances, the LED lamp may not look bright. Wipe the surface cover with clean dry cloth to return the light to full brightness.

⚠ CAUTION

- Do not disassemble or replace the LED lighting yourself.
  To replace the LED lights, contact a Samsung service centre or your authorized Samsung dealer.

NOTE

- If you attempt to replace the LED lamps yourself, you risk subjecting yourself to an electric shock or serious personal injury.

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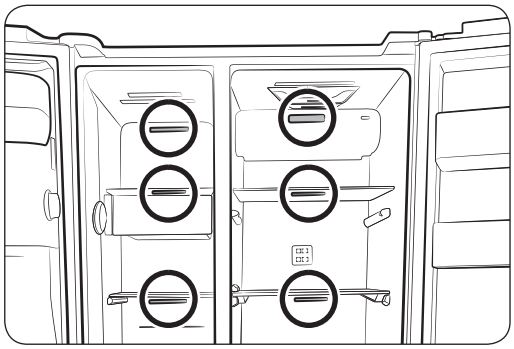
Operating

To improve the cooling performance



Cold air outlet

NOTE

- If you attempt to replace the LED lamps yourself, you risk subjecting yourself to an electric shock or serious personal injury.

Changing the water filter

WARNING

- To reduce risk of water damage to your property DO NOT use generic brands of water filers in your SAMSUNG Refrigerator.

USE ONLY SAMSUNG BRAND WATER FILTERS.
SAMSUNG is not legally responsible for any damage, including, but not limited to property damage caused by water leakage from the use of a generic water filter.
SAMSUNG Refrigerators are designed to work ONLY WITH SAMSUNG Water Filters.
The “Filter Indicator” light lets you know when it is time to change your water filter cartridge.
To give you preparation time to get a new filter, the red light will come on just before the capacity of the current filter runs out.
Changing the filter on time provides you with the freshest, cleanest water from your fridge.
To change the water filter, follow these steps:

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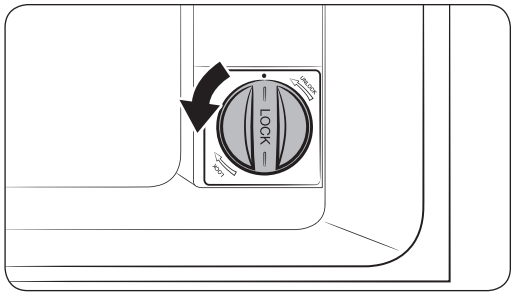
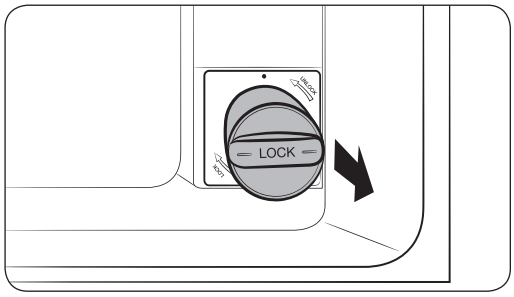
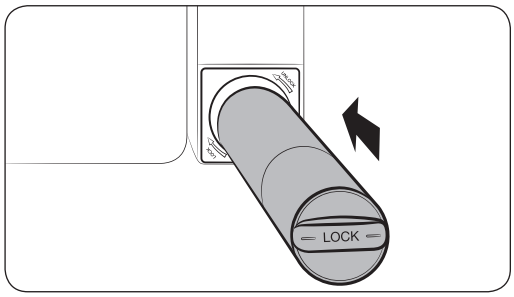


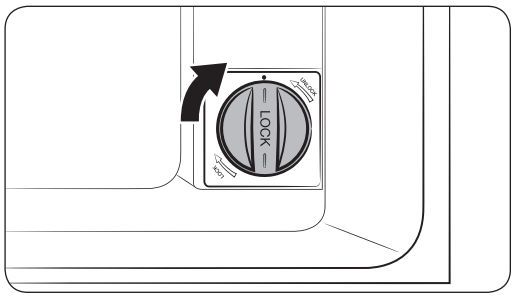
1. Turn the water filter 90˚ counter-clockwise.



2. Pull the water filter from the filter housing.



3. Insert new water filter inside the filter housing.



4. Turn the new water filter 90˚ clockwise.

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5. Press the Door Alarm/Filter Reset (3 sec) button for about 3 seconds to reset the water filter.
   The color of indicator changes from red to light off.

NOTE

- A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser.
  This is due to air getting into the line.
  It should pose no problem to operation.

CAUTION

- When you replace the water filter, water can drip from the bottom front of the refrigerator.
  Make sure to clean up any drips or spills after you have changed the filter.

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Removing residual matter inside the water supply line after installing a new filter

1. Press the Water button, and then push the Dispenser Lever with a cup or glass.

2. Flush 1 gallon of water through the filter, one cup or glass at a time. (Flush approximately 6 minutes.) This will clean the water supply system and remove air from the lines.

- Additional flushing may be required in some households.

3. Open the refrigerator door and make sure there are no water leaks coming from the water filter.

Reverse Osmosis Water Supply

IMPORTANT :

The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa.)
If the water pressure to the reverse osmosis system is less than 40 to 60 psi (276 to 414 kPa):

- Check to see whether the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.

If you have questions about your water pressure, call a licensed, qualified plumber.

Ordering replacement filters

To order more water filter cartridges, contact your authorized Samsung dealer.

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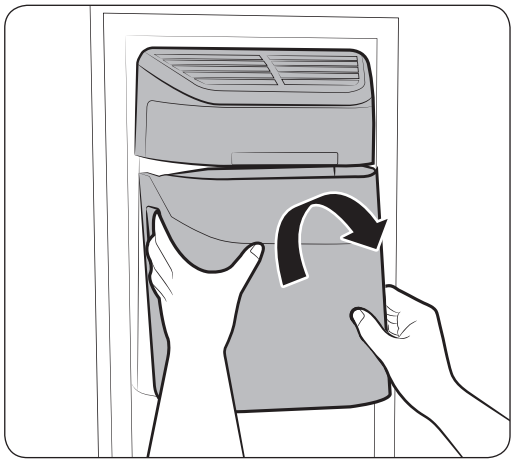
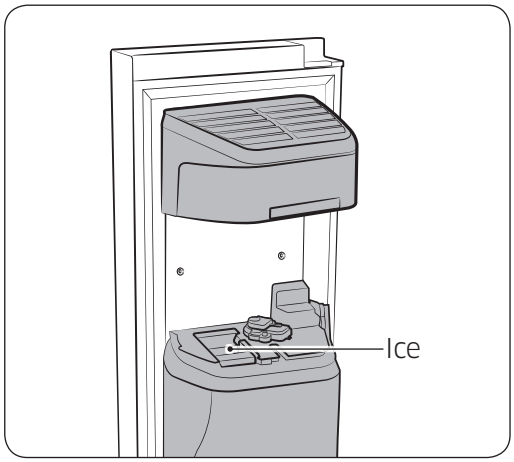
Operating

Using the ice maker (optional)



- To Remove the Ice Bucket.
- Hold the handle as shown in figure1.
- Lift up and pull the Bucket out slowly.
- Take out Ice Bucket out slowly to prevent damage.
- When you reinstall the ice bucket, press and hold the ICE button for 6 seconds.



- Normal Operation
- Any sounds you hear when the ice maker dumps ice into the bucket are part of normal operation.
- Ice may clump in the bucket if you do not dispense ice for long periods of time. If this occurs, remove all the ice and empty the bucket.
- If ice does not come out, check for any ice stuck in the chute and remove it.
- The first batch of ice cubes after installation may be small because air has entered the water line. Any air will be purged during normal use.

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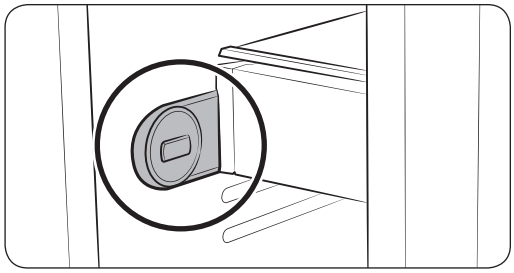

⚠ CAUTION

- When ICE OFF blinks on the display panel, reinsert the ice bucket and/or make sure it's installed properly.
- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water to spill over the ice maker.
- To prevent the ice bucket from dropping, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have dropped on the floor.
- Do not let the children hang on the ice dispenser or on the bucket.
  They may get hurt.
- Be sure not to put your hand or any object into the ice chute.
  It may cause personal injury or damage mechanical parts.
- Use care when storing food in plastic bags in the freezer.
  Incorrectly stored bags can get caught in the ice bucket's Motor and prevent the refrigerator from dispensing ice or cause the freezer door to open unexpectedly.

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Operating

Sparkling water: operational notes

- Be sure to use genuine SodaStream Cylinders from authorized resellers.
- The refrigerator starts making sparkling water about 10 seconds after you turn on the Sparkling Water Production function.
- If you open the refrigerator door while the refrigerator is making sparkling water, it will stop.
  When you close the door, it will resume making sparkling water in about a minute.
- If there is a power interruption when the refrigerator is making sparkling water, the refrigerator may re-start the carbonation process when power returns and put too much carbonation into the water. If this occurs, we recommend throwing out the overly carbonated water and starting the process again.
- If you keep dispensing sparkling water, the water stream may become unstable or break up. This is caused by changes in pressure in the Sparkling Water Tank.
  It is not a defect.
- If the water hose is kinked or water is not supplied properly, the Carbonation Level of the Sparkling Water will be high. This occurs because the same amount of the carbon dioxide (CO_2) is dispensed by the Cylinder regardless of the amount of water in the Production Tank.
- The useful life of a SodaStream Carbonator will vary, depending on the level of carbonation you select.
- If you are not going to be home for a long period of time, do not want to use the Sparkling Water function any more, or you are moving:
- To dispense the sparkling water, pull down the Sparkling-Selector Lever, and push and hold the Ice/Sparkling Water Lever with a glass.

⚠ CAUTION

- Please remove the SodaStream Carbonator from the compartment located in the left door of the refrigerator before you transport the refrigerator.

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Troubleshooting

Problem	Solution
The refrigerator does not work at all or it does not chill sufficiently.	• Check if the power plug is properly connected. • Check if the set temperature on the digital display is warmer than the freezer or fridge inner temperature. If it is, set the freezer or fridge to a colder temperature. • Is the refrigerator in direct sunlight or located near a heat source? If so, it may not be able to cool sufficiently. Install it in a location that is out of direct sunlight and not near a heat source. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? If so, it may not be able to cool sufficiently. Keep it an appropriate distance from the wall. • Is there too much food inside so that the food is blocking the outlet vent? To keep the refrigerator at a suitable temperature, do not fill the refrigerator with too much food.
The food in the fridge is frozen.	• Check if the set temperature on the digital display is too low. If so, raise the set temperature inside the refrigerator. • Is the temperature too low in the room? Set the refrigerator warmer. • Did you store food with a high moisture content in the coldest part of the refrigerator or near the cooling outlet vent? Try moving those items to the other shelves in the fridge instead of keeping them in the colder areas or bins.
You hear unusual noise or sounds.	• Check if the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? Try moving the back of the refrigerator at least 2 inches from the wall. • Was anything dropped behind or under the refrigerator? • If you hear a “ticking” sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior. • If it sounds as if something is hitting something else inside the refrigerator, this is normal. The sound is caused by the compressor operating at high capacity.

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Troubleshooting

Problem	Solution
The cabinet-door sealing area of the appliance is hot and condensation is occurring.	• Some heat is normal as anti-condensation are installed in the vertical hinged section of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
The Ice Maker is not producing ice.	• It may take longer to make ice if it is not sufficiently cool, such as when first installed. • Is the water line connected and the shut-off valve opened? • Did you manually stop the ice making function? • Check if the filter is properly installed. If it is not properly installed, the ice making function may not work.
You can hear water bubbling in the refrigerator.	• This is normal. The bubbling comes from refrigerant circulating through the refrigerator.
There is a bad smell in the refrigerator.	• Check for spoiled food. • Foods with strong odors (for example, fish) should be tightly covered. • Clean out your freezer periodically and throw away any spoiled or suspicious food.
Frost forms on the walls of the freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the stored food for efficient air circulation. • Is the freezer drawer closed properly?
The water dispenser is not functioning.	• Is the water line connected and the shut-off valve opened? • Has the water supply line tubing been crushed or kinked? • Make sure the tubing is free and clear of any obstruction. • Is the water tank frozen because the fridge temperature is too low? Try selecting a warmer setting on the Digital display. • Check if the filter is properly installed. If it is not properly installed, the water dispenser may not work.

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Problem	Solution
The auto close system does not work with the freezer door.	• Is there an imbalance between the right and left parts of the door? • Open and close the door smoothly 1~2 times. After you do this, the auto close system usually works properly again. • Try opening the door smoothly to avoid unbalancing the right part and the left part of the door.
Condensation or water drops forms on vertical mullion and surroundings, etc.	• Condensation or water drops may form if the humidity is too high while the refrigerator is operating. • If condensation or water drops appears on vertical mullion and surroundings, etc., turn the Energy Saving mode off after removing the condensation.
I want to make sparkling water, but, the sparkling water making function won't work.	• You must fasten the Sparkling Water Bottle to operate the sparkling water making function or the sparkling gas adding function. • If you press the Making On/Off button after fastening the Sparkling Water Bottle, the sparkling water making function will work. Here, the small icons in the cup-shaped icon will blink in order. When sparkling water is completely made, all the small icons will be turned ON. • If you make sparling water with the Sparkling Water Bottle with water inside, water may overflow while sparkling water is being made. Use an empty Bottle for the sparkling water making function. • When water is sensed by the Water Overflow Sensor, the icons on the Display Panel on the front will blink and the sparkling water making function may not work. Separate the Sparkling Water Bottle, and wait until the blinking will stop. If you want to make sparkling water again, drain the water inside the Sparkling Water Bottle to be up to the Max line, fasten it again, and press the Sparkling Gas button. Then, you can normally make sparkling water. • Do not press the Sparkling Gas button while the Sparkling Water Bottle is empty. When you separate the Bottle, a 'bang' sound may be made due to internal pressure.

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Troubleshooting

Problem	Solution
I want to stop the operation while making sparkling water.	• Press the Making On/Off button, and then the sparkling water making process will stop. • If you press the Making On/Off button while water is being injected into the Sparkling Water Bottle, the product will stop making and the water drop icon in the cup will be turned ON. Here, if you press the Making On/Off button again, the product will resume making from the part where it stopped making. • If you press the Making On/Off button while sparkling gas is being injected after water is injected into the Sparkling Water Bottle, the making function will be finished, and all the icons in the cup will be turned ON. • If you want to make sparkling water again from the beginning, drain the water in the Sparkling Water Bottle, and then fasten it again. If you make sparkling water with the Sparkling Water Bottle with water inside, the water may overflow.
Water overflows while I am making sparkling water.	• If you put in water to exceed the Max line into the Sparkling Water Bottle and inject sparkling gas, the water may overflow due to pressure. Put in water only up to the Max line.
The level of the sparkling water made is too low.	• If the selected level is Level 1 or 2, select Level 2 or 3 and make sparkling water. • Press the Sparkling Level button, and you can select the sparkling gas injection frequency. (1: One time, 2: Twice, 3: Three times) But, the level selected will apply beginning from the next making process. • When sparkling gas is injected, if the Nozzle does not come out, it means sparkling gas is consumed. Replace the Sparkling Gas Cylinder. • Press the Sparkling Gas button, and then sparkling gas will be injected one time. • When there is water exceeding the Max line in the Sparkling Water Bottle, if you run the Sparkling Gas adding function, the water may overflow. Use the sparkling gas adding function when the water does not exceed the Max line.

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Problem	Solution
It tastes too strong.	• If the selected level is Level 3 or 2, select Level 2 or 1 and make sparkling water. • Press the Sparkling Level button, and you can select the sparkling gas injection frequency. (1: One time, 2: Twice, 3: Three times) But, the level selected will apply beginning from the next making process. • If you feel that the sparkling level is too high even if you made sparkling water at Level 1, it is recommended for you to put water or ice in your sparkling water.
I changed the sparkling level, but the sparkling gas injection frequency does not change.	• While sparkling gas is being injected, even if you change the sparkling level, the sparkling gas injection frequency won't change. It will be reflected in the next making process. • If the sparkling injection frequency for the current making process is not enough, press the Sparkling Gas button after sparkling water is completely made.
I replaced the Sparkling Gas Cylinder with a new one, but, sparkling water won't be made.	• Fasten the Sparkling Gas Cylinder again. • If it is fastened too loosely, sparkling gas may not be supplied. • Check if the Sparkling Water Bottle is fastened. • If the Sparkling Water Bottle is not mounted, the making operation will not be done.
I fastened the Cylinder, but the Gas Nozzle comes out.	• If you fasten the Sparkling Gas Cylinder too strongly, the Gas Nozzle may come out. • Loosen the Cylinder by about a quarter of a whole turn to the left.
It seems that water is not injected enough.	• The Water Purifying Filter may be blocked if used for a long time. It is recommended for you to replace it after using it for about six months.

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Troubleshooting

Problem	Solution
Sparkling water is not cold and tastes not very good.	• If you make a lot of sparkling water continuously, there is not enough time for water to be cooled. Thus, you may not enjoy the true taste of sparkling water. • When you have installed the product by connecting the water pipe for the first time, it is recommended for you to start making sparkling water after about 12 hours or longer. • You can make sparkling water by putting water in up to the Max line into the Sparkling Water Bottle, keeping it in the Fridge, and using the Sparkling Gas adding function after the water becomes cool enough. Here, put in pure water only up to the Max line. If you do not do so, the water may overflow when sparkling gas is injected or the Nozzle may be blocked because of foreign substances.
The level won't be adjusted.	• While sparkling gas is being injected, even if you press the Sparkling Level button, it will not be reflected, but it will be reflected in the next making process. Select the sparkling level before the sparkling water making operation. • If you want to inject more sparkling gas after the sparkling water making operation is finished, press the Sparkling Gas button with the Sparkling Water Bottle not separated, and then you can additionally inject sparkling gas. • Do not add sparkling gas to an empty Bottle. • When separating the Bottle, gas may rapidly leak to make a 'bang' sound.
I want to add sparkling gas.	• After making sparkling water, if you press the Sparkling Gas button without separating the Sparkling Water Bottle, sparkling gas will be added. If you add sparkling gas to the sparkling water already made, more sparkling gas will be discarded without melting in water. • When you separately inject sparkling gas, put in pure water only up to the Max line into the Sparkling Water Bottle. If you have put in an additive or there is much water, the water may overflow when sparkling gas is injected. • Do not press the Sparkling Gas button while the Sparkling Water Bottle is empty. When you separate the Bottle, a 'bang' sound may be made due to internal pressure.

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Problem	Solution
It takes longer to make sparkling water than before.	• When sparkling water is made, water is supplied first, and then sparkling gas is added. The time it takes to supply water may differ depending on the pressure of water pipe. If it takes longer to supply water than usual, check the Water Purifying Filter.
A 'boo' sound is made when sparkling water is being made.	• A sound may be made when you make sparkling water as sparkling gas is mixed or discharged. This is not a malfunction. • A percolating sound may be made as bubbles are generated while sparkling gas is being injected into water. • A 'beep' sound may be made when sparkling gas is injected several times. • When sparkling water is completely made, the gas remaining in the Sparkling Water Bottle will be discharged, and a 'boo' sound may be made.
After sparkling water is made, a 'tick' sound is made periodically.	• After sparkling water is made, if the Sparkling Water Bottle is not separated, the sound is made as the valve that discharges gas works at the interval of 30 seconds. Separate the Sparkling Water Bottle.
Water drops from parts around the Dispenser.	• After water overflows, water may drop or trickle down until the water inside will evaporate completely. Thus, pay attention.

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Troubleshooting

Problem	Solution
I want to wash the Sparkling Water Bottle.	• Clean the Sparkling Water Bottle with a soft brush with dish-washing detergent, and completely dry it at a cool place without direct sunlight before use. • Do not use a rough dish sponge for washing the Sparkling Water Bottle. If you use a rough dish sponge, it may cause the printed letters to be erased or damaged on the Sparkling Water Bottle and the life to be shortened. • If you boil the Sparkling Water Bottle, it may cause a damage. Thus, keep the proper temperature for use. (Temperature for use: 1 °C-50 °C) • If you wash the Bottle with a dishwasher, it may be damaged. Thus, do not do so, and if the Bottle is damaged, replace it. • It may be damaged by an external impact or be polluted, so pay attention when using or keeping it. • Replace the Bottle with a new one after the period of use (It is recommended to be used within two years after purchase.).
The Sparkling Water icon blinks.	• When overflow of water is sensed by the Water Overflow Sensor, all operations will stop for preventing the overflow of water. After separating the Sparkling Water Bottle, wait until the blinking will stop before making sparkling water again. If the blinking does not stop, in many cases water drops are around the Nozzle. Thus, wipe it off and then wait again.

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Memo

Memo

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Memo

Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43

Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

English

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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